# WEATHER MAPS,

PUBLISHED AT SYDNEY,

## NEW SOUTH WALES,

---

1883.

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H. C. RUSSELL, B.A.,

GOVERNMENT ASTRONOMER.

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# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 1 1889 with NOTES to 3 P.M.

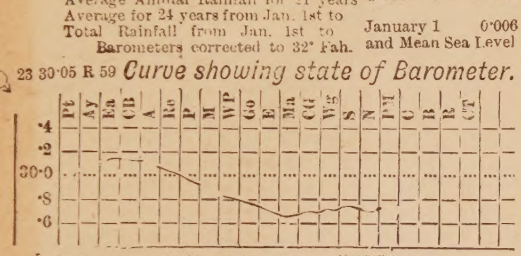
Sydney Observatory.

*Lat.* 33° 51′ 41″ S ; *Long.* 10*h.* 4*m.* 50·81*s* E

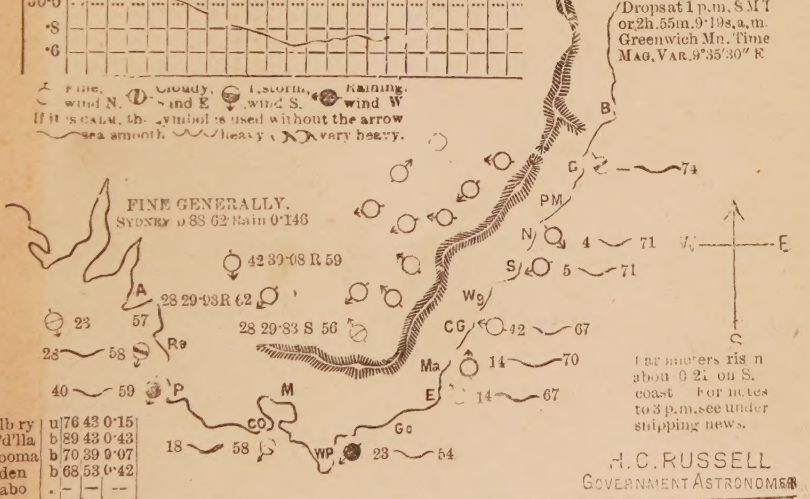
Average Annual Rainfall for 21 years ..... 50·084.
Average for 24 years from Jan. 1st to January 1 0·006
Total Rainfall from Jan. 1st to and Mean Sea Level
Barometers corrected to 32° Fah.

| Stations. | wt | m'x | m'n | R'in | | |
|---|---|---|---|---|---|---|
| Casino .. | b | 94 | 69 | 0 | | |
| T'nt'rfield | . | — | — | — | | |
| Moree .. | b | 84 | 59 | 0·26 | | |
| Grafton.. | c | 91 | 70 | 0·25 | | |
| Gl'n Inn's | . | — | — | — | | |
| Inverell.. | u | 48 | — | 0·46 | | |
| Bourke .. | . | — | — | — | | |
| Narrabri. | b | 98 | — | 0 | | |
| Armidale. | b | 84 | — | 0 | | |
| Bendem'r | p | 76 | 42 | 0·56 | | |
| Gunned'h | b | 83 | 65 | 0·08 | | |
| C'n'mble . | c | 96 | 60 | 0 | | |
| Tamw'rth | b | 101 | 64 | 0·13 | | |
| Coonab'n | b | 83 | 55 | 0 | | |
| F.M'cqrie | c | — | — | 0 | | |
| W'lcannia | b | — | — | 0 | | |
| Murr'ndi | b | 87 | 63 | 0·30 | | |
| Cassilis .. | b | 90 | — | 0 | | |
| Mus'br'ok | b | 94 | 66 | 0·18 | | |
| Dubbo .. | . | — | — | — | | |
| Menindie | b | 75 | 57 | 0 | | |
| Mudgee.. | b | 91 | 52 | 0·20 | | |
| Maitland | b | 99 | 71 | 0 | | |
| Hill End . | b | — | — | 0·53 | | |
| Newcast'e | b | 89 | 66 | 0 | | |
| Orange . | b | 76 | 46 | 0 | | |
| Bathurst | b | 81 | 47 | 0·23 | | |
| S 65 | | | | | | |
| Forbs | b | 84 | 59 | 0 | | |
| M. Vict'ria | . | — | — | — | | |
| Cond'b'in | b | 77 | 57 | 0 | | |
| Picton. .. | b | 84 | 55 | 0·47 | | |
| Carcoar.. | b | 77 | 56 | 0·18 | | |
| Wentw'th | o | 73 | 50 | 0 | | |
| Young .. | b | 78 | 44 | 0 | | |
| Woll'g'ng | . | — | — | — | | |
| Hay..... | . | — | — | — | | |
| Moss Vale | b | 82 | 49 | 0 | | |
| Euston .. | c | 74 | 45 | 0 | | |
| Goulburn | b | 78 | 46 | 0·22 | | |
| Wagga .. | c | 87 | 51 | 0 | | |
| Cape Geo. | c | 94 | 41 | 0 | Alb'ry | u 76 43 0·15 |
| Queanb'n | b | 74 | 50 | 0 | B'd'lla | b 89 43 0·43 |
| Deniliq'n | b | 80 | 45 | 0 | Cooma | b 70 39 9·07 |
| Moruya .. | b | 83 | 53 | 0 | Eden | b 68 53 0·42 |
| Kiandra | b | 57 | 5 | 0·90 | Gabo | . — — |

23 30·05 R 59 *Curve showing state of Barometer.*




Fine, Cloudy, T.storm, Raining.
wind N. and E. wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth, heavy, very heavy.




WEATHER.
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

WIND SCALE.
13-Lt brze
23-Mod. "
34-Fresh "
56-Strg gale
65-Whole "

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers rise n
about 0·21 on S.
coast. For notes
to 3 p.m. see under
shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 2 188 ? with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S* ; *Long.* 10*h.* 4*m.* 50·81*s* *E*

Average Annual Rainfall for 21 years ..... 50·084.

Average for 24 years from Jan. 1st to Total Rainfall from Jan. 1st to January 2 0·006

Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*

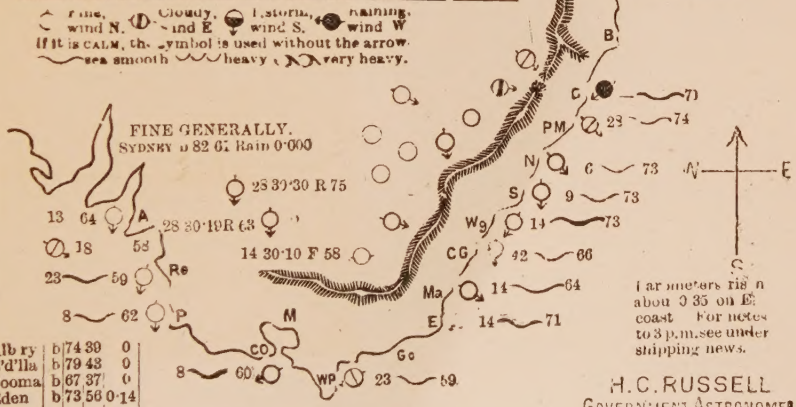
Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow.

sea smooth heavy very heavy.

| Stations. | wt | M'x | vn | R'in |
|---|---|---|---|---|
| Casino .. | c | 99 | 57 | 0 |
| T'nt'rfield | g | 82 | 60 | 0 |
| Moree .. | b | 87 | — | 0 |
| Grafton.. | r | 82 | 62 | 0·70 |
| Gl'n Inn's | g | 72 | 55 | 0·04 |
| Inverell.. | c | 82 | 63 | 0 |
| Bourke .. | . | — | — | — |
| Narrabri. | b | 92 | — | 0 |
| Armidale. | g | 87 | — | 0 |
| Bendem'r | g | 83 | 41 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble. | . | — | — | — |
| Tamw'rth | b | 101 | 58 | 0 |
| Coonab'n | b | 80 | 50 | 0 |
| F.M'cqrie | c | 78 | 68 | 0·20 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi | c | 83 | 59 | 0 |
| Cassilis .. | b | 78 | — | 0 |
| Mus'br'ok | b | 89 | 62 | 0 |
| Dubbo .. | b | 94 | 62 | 0 |
| Menindie | b | 75 | 60 | 0 |
| Mudgee.. | b | 81 | 50 | 0 |
| Maitland | c | 90 | 63 | 0 |
| Hill End . | b | — | — | 0 |
| Newcast'e | b | 78 | 63 | 0 |
| Orange . | b | 68 | 44 | 0 |
| Bathurst | b | 72 | 42 | 0 |
| 18 79 Forbs | b | 84 | 59 | 0 |
| M.Vict'ria | b | 79 | 45 | 0 |
| Cond'b'in | b | 85 | 62 | 0 |
| Picton. .. | b | 79 | 45 | 0 |
| Carcoar.. | b | 70 | 55 | 0 |
| Wentw'th | b | 75 | 54 | 0 |
| Young .. | b | 80 | 44 | 0 |
| Woll'g'ng | b | 84 | 48 | 0 |
| Hay..... | b | 77 | 60 | 0 |
| Moss Vale | . | — | — | — |
| Euston .. | b | 80 | 44 | 0 |
| Goulburn | b | 70 | 39 | 0 |
| Wagga .. | b | 76 | 41 | 0 |
| Cape Geo. | c | 82 | 40 | 0 |
| Queanb'n | c | 68 | 47 | 0 |
| Deniliq'n | b | 80 | 46 | 0 |
| Moruya.. | b | 73 | 61 | 0 |
| Kiandra | b | 81 | 10 | 0 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | b | 74 | 39 | 0 |
| B'd'lla | b | 79 | 43 | 0 |
| Cooma | b | 67 | 37 | 0 |
| Eden | b | 73 | 56 | 0·14 |
| Gabo | . | — | — | — |




Barometers risen about 0·35 on E coast. For notes to 3 p.m. see under shipping news.

**WEATHER.**

b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

Mi's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 3 188? with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S* ; *Long.* 10*h.* 4*m.* 50·81s *E*

Average Annual Rainfall for 21 years - .... .... 50·084.

Average for 24 years from Jan. 1st to

Total Rainfall from Jan. 1st to January 3 0·006

Barometers corrected to 32° Fah. and Mean Sea Level

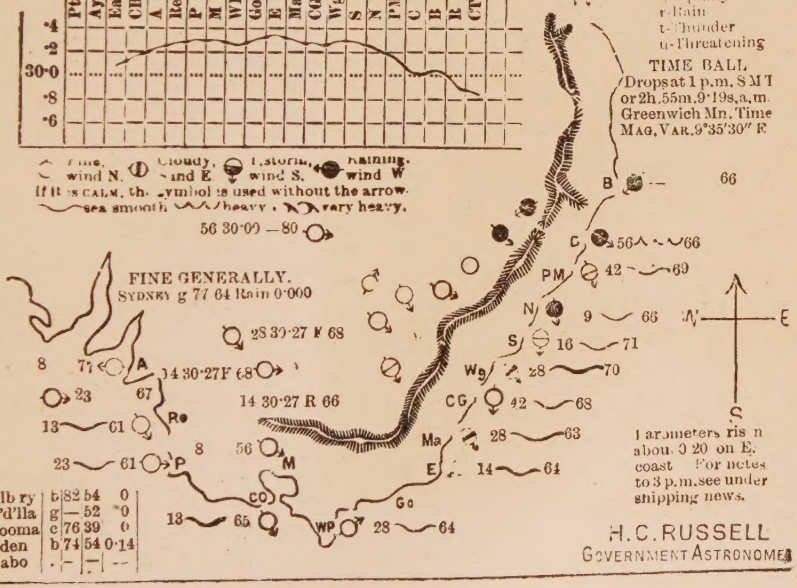
13 30·13 R 79 ***Curve showing state of Barometer.***

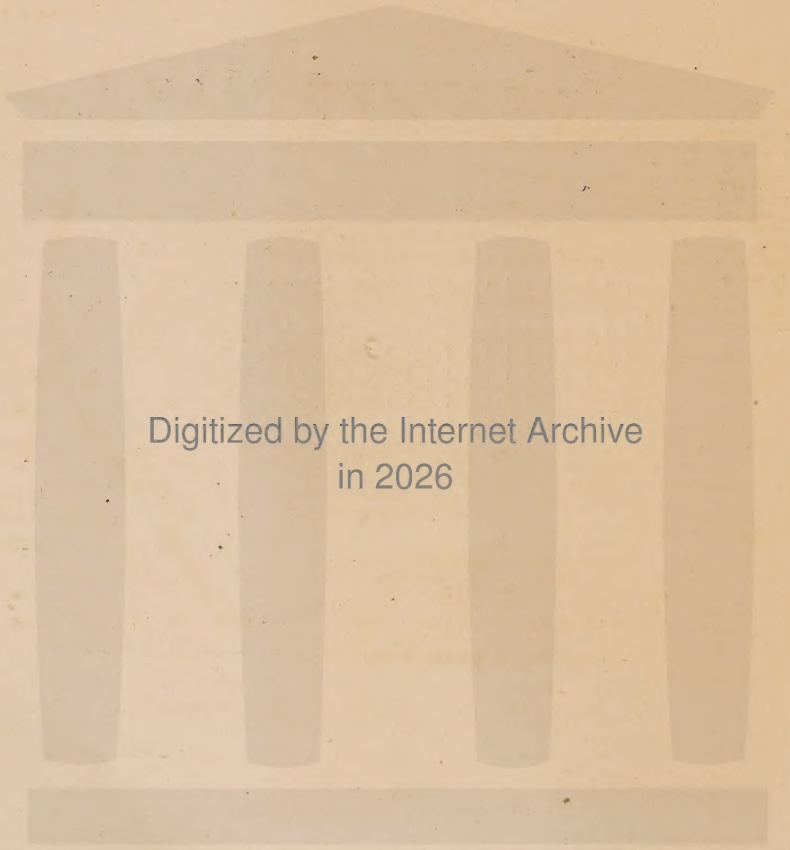
Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth heavy very heavy.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | r | 86 | 57 | 1·88 |
| T'nt'rfield | r | 72 | 50 | 0·31 |
| Moree .. | b | 90 | — | 0 |
| Grafton.. | g | 74 | 52 | 2·07 |
| Gl'n Inn's | r | 75 | 51 | 0·13 |
| Inverell.. | p | 85 | 64 | 0·20 |
| Bourke .. | b | 89 | 70 | 0 |
| Narrabri: | c | 90 | 57 | 0 |
| Armidale: | d | 68 | — | 0·10 |
| Bendem'r | g | 73 | 44 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble. | . | — | — | — |
| Tamw'rth | c | 89 | 63 | 0 |
| Coonab'n | . | — | — | — |
| F.M'cqrie | c | 79 | 64 | 0·06 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi | c | 80 | 58 | 0 |
| Cassilis .. | . | — | — | — |
| Mus'br'ok | g | 83 | 60 | 0 |
| Dubbo .. | b | 85 | 64 | 0 |
| Menindie | b | 81 | 63 | 0 |
| Mudgee.. | . | — | — | — |
| Maitland | g | 81 | 64 | 0·08 |
| Hill End. | . | — | — | — |
| Newcast'e | p | 76 | 61 | 0·13 |
| Orange . | b | 76 | 50 | 0 |
| Bathurst | b | 81 | 53 | 0 |
| 13 74 Forbs | b | 87 | 61 | 0 |
| M.Vict'ria | g | 73 | 43 | 0 |
| Cond'b'in | c | 75 | 54 | 0 |
| Picton. .. | c | 76 | 36 | 0 |
| Carcoar.. | b | 77 | 53 | 0 |
| Wentw'th | b | 82 | 59 | 0 |
| Young .. | b | 88 | 53 | 0 |
| Woll'g'ng | c | 79 | 59 | 0 |
| Hay..... | b | 83 | 60 | 0 |
| Moss Vale | b | 73 | 51 | 0 |
| Euston .. | b | 84 | 52 | 0 |
| Goulburn | b | 81 | 50 | 0 |
| Wagga .. | b | 85 | 60 | 0 |
| Cape Geo. | b | 73 | 47 | 0 |
| Queanb'n | g | 74 | 54 | 0 |
| Deniliq'n | b | 84 | 53 | 0 |
| Moruya .. | b | 67 | 26 | 0·11 |
| Kiandra | c | 55 | 11 | 0 |
| Alb'ry | b | 82 | 54 | 0 |
| B'd'lla | g | — | 52 | 0 |
| Cooma | c | 76 | 39 | 0 |
| Eden | b | 74 | 54 | 0·14 |
| Gabo | . | — | — | — |

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# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 4 188⁹ with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10h 4m 59·81s E.

Average Annual Rainfall for 21 years . . . . . 50·084.

Average for 24 years from Jan 1st to

Total Rainfall from Jan. 1st to January 4 0·232

Barometers corrected to 32° Fah. and Mean Sea Level

S 30·04 F 85 *Curve showing state of Barometer.*

| Stations. | wt | m'x | v'n | R'in |
|---|---|---|---|---|
| Casino .. | r | 67 | 60 | 2·60 |
| P'nt'rfield | c | 62 | 50 | 0·50 |
| Moree .. | g | 73 | — | 0·14 |
| Grafton .. | r | 72 | 61 | 1·20 |
| Gl'n Inn's | p | 76 | 50 | 0·26 |
| Inverell .. | r | 92 | 43 | 0·80 |
| Bourke .. | b | 90 | 67 | 0 |
| Narrabri .. | c | 83 | 44 | 0 |
| Armidale.. | g | 68 | — | 0·42 |
| Bendem'r | g | 69 | 41 | 0 |
| Gunned'h | c | 77 | 61 | 0 |
| C'n'mble . | b | 79 | 56 | 0 |
| Tamw'rth | c | 89 | 60 | 0 |
| Coonab'n | b | 74 | 60 | 0 |
| E.M'cqrie | p | 74 | 55 | 0·45 |
| Wilcannia | b | — | — | — |
| Murrundi | c | 70 | 57 | 0 |
| Cassilis .. | c | 79 | — | 0 |
| Mus'br'ok | o | 76 | 59 | 0·06 |
| Dubbo .. | o | 86 | 63 | 0 |
| Menindie | b | 90 | 67 | 0 |
| Mudgee.. | g | 74 | 54 | 0 |
| Maitland | g | 73 | 63 | 0·14 |
| Hill End . | . | — | — | — |
| Newcast'e | g | 75 | 60 | 0 |
| Orange . | b | 78 | 48 | 0 |
| Bathurst | b | 67 | 51 | 0 |
| 34 87 Forbs | r | 90 | 62 | 0 |
| M. Vict'ria | g | 59 | 40 | 0 |
| Cond'b'in | b | 77 | 58 | 0 |
| Picton. .. | g | 72 | 56 | 0·03 |
| Carcoar.. | b | 68 | 60 | 0 |
| Wentw'th | o | 92 | 68 | 0 |
| Young .. | b | 81 | 55 | 0 |
| Woll'g'ng | c | 78 | 57 | 0 |
| Hay..... | b | 90 | 60 | 0 |
| Moss Vale | o | 69 | 50 | 0·06 |
| Euston .. | o | 97 | 62 | 0 |
| Goulburn | b | 71 | 48 | 0 |
| Wagga .. | b | 85 | 47 | 0 |
| Cape Geo. | r | 73 | 42 | 0 |
| Queanb'n | b | 68 | 50 | 0 |
| Deniliq'n | b | 93 | 55 | 0 |
| Moruya .. | g | 69 | 40 | 0 |
| Kiandra | b | 72 | 12 | 0 |
| Albury | b | 87 | 53 | 0 |
| B'd'lla | c | — | 45 | 0 |
| Cooma | b | 73 | 34 | 0 |
| Eden | b | 74 | 51 | 0 |
| Gabo | . | — | — | — |

WEATHER.
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
v-Threatening

WIND SCALE.
1-Light breze
2-Mod. "
3-Fresh "
4-Strg gale
5-Whole "

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY.
SYDNEY p 74 61 Rain 0·226

Barometers fallen about 0·06 on E. coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 5 188 9 with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s* *E*

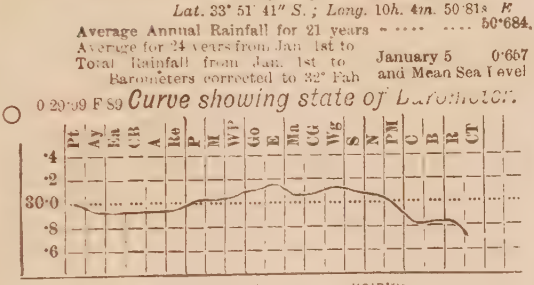
Average Annual Rainfall for 21 years ..... 50·684.

Average for 24 years from Jan 1st to

Total Rainfall from Jan. 1st to January 5 0·657

Barometers corrected to 32° Fah and Mean Sea Level

| Stations. | wt | M'x | vn | R'in |
|---|---|---|---|---|
| Casino .. | r | 74 | 61 | 1·02 |
| T'nt'rfield | c | 64 | 50 | 0·23 |
| Moree .. | g | 73 | — | 0·66 |
| Grafton. | r | 68 | 62 | 1·09 |
| Gl'n Inn's | g | 75 | 49 | 0·18 |
| Inverell .. | g | 92 | 42 | 0·31 |
| Bourke .. | b | 92 | 67 | 0 |
| Narrabri. | g | 95 | — | 0 |
| Armidale. | g | 69 | — | 0·02 |
| Bendem'r | r | 61 | 42 | 0 |
| Gunned'h | c | 83 | 65 | 0 |
| C'n'mble. | b | 84 | 56 | 0 |
| Tamw'rth | c | 85 | 60 | 0 |
| Coonab'n | b | 81 | 50 | 0 |
| F.M'cqrie | q | 73 | 63 | 0·76 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi | g | 76 | 59 | 0 |
| Cassilis .. | . | — | — | — |
| Mus'br'ok | d | 84 | 59 | 0 |
| Dubbo .. | b | 80 | 62 | 0 |
| Menindie | b | 92 | 67 | 0 |
| Mudgee.. | g | 80 | 55 | 0 |
| Maitland | p | 78 | 63 | 0·20 |
| Hill End . | . | — | — | — |
| Newcast'e | g | 76 | 60 | 0·07 |
| Orange . | b | 73 | 51 | 0 |
| Bathurst | b | 71 | 57 | 0 |
| 8 69 Forbs | r | 92 | 60 | 0 |
| M.Vict'ria | g | 64 | 40 | 0·60 |
| Cond'b'in | . | — | — | 0 |
| Picton. | g | 70 | 54 | 0·14 |
| Carcoar.. | b | 72 | 60 | 0 |
| Wentw'th | b | 95 | 64 | 0 |
| Young . | b | 86 | 54 | 0 |
| Woll'g'ng | c | 74 | 58 | 0·58 |
| Hay..... | b | 90 | 60 | 0 |
| Moss Vale | g | 64 | 51 | 0·11 |
| Euston .. | b | 98 | 52 | 0 |
| Goulburn | g | 71 | 49 | 0 |
| Wagga .. | b | 89 | 53 | 0 |
| Cape Geo. | c | 71 | 45 | 0·24 |
| Queanb'n | b | 71 | 51 | 0 |
| Deniliq'n | b | 94 | 56 | 0 |
| Moruya.. | b | 70 | 64 | 0 |
| Kiandra | | 68 | 14 | 0 |
| Alb'ry | b | 93 | 57 | 0 |
| B'd'lla | b | — | 45 | 0 |
| Cooma | b | 82 | 39 | 0 |
| Eden | b | 75 | 62 | 0 |
| Gabo | . | — | — | — |



# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 6 188⁹ with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S* ; *Long* 10*h* 4*m* 50*s*·1 *E*

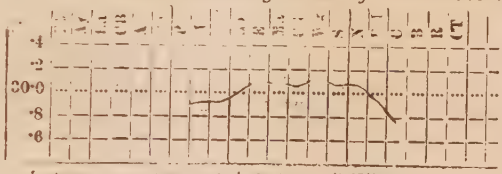
Average Annual Rainfall for 21 years . . . . . 56·084.

Average for 14 years from Jan. 1st to . . . . .

Total Rainfall from Jan. 1st to . . . . . January 6 0·857

Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




Fine wind N. Cloudy wind E. T.storm wind S. Raining wind W.

If the wind is in symbols is used without the arrow

sea smooth heavy very heavy.

**WEATHER.**

b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

**WIND SCALE.**

1-Light breeze
2-Mod. breeze
3-Fresh breeze
4-Strong gale
5-Whole gale

**TIME BALL**

Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY.

SYDNEY g 74 61 Rain 0·200

28 30·10 F 85

0 30·08 F 80

14 30·13 R 69

Barometers fallen about 0·15 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

| Stations. | wr | M'n | Ver | Rain |
|---|---|---|---|---|
| Casino | p | 74 | 60 | 1·34 |
| Pt. Arfield | d | 64 | 50 | 0·28 |
| Moree | b | 76 | — | 0·21 |
| Grafton | p | 69 | 60 | 2·22 |
| Gl'n Inn's | g | 62 | 51 | 0·12 |
| Inverell | b | 92 | 62 | 0·55 |
| Bourke | . | — | — | — |
| Narrabri | L | 96 | — | 0 |
| Armidale | g | 66 | — | 0·20 |
| Benderm'r | g | 67 | 42 | 0·17 |
| Gunnedah | g | 77 | 61 | 0·05 |
| C'n'mble | . | — | — | — |
| Tatawarth' | . | — | — | — |
| Coonabar' | . | — | — | — |
| F. M'cquie | c | 73 | 64 | 0·67 |
| W'leannia | b | — | — | 0 |
| Murrundi | g | 67 | 57 | 0 |
| Cassilis .. | . | — | — | — |
| Mus'br'ok | p | 74 | 33 | 0·14 |
| Dubbo .. | . | — | — | — |
| Menindie | b | 94 | 69 | 0 |
| Mudgee .. | . | — | — | . |
| Maitland | p | 76 | 62 | 0·69 |
| Hill End . | . | — | — | — |
| Newcast'le | b | 74 | 60 | 0 |
| Orange .. | . | — | — | — |
| Bathurst | . | — | — | . |
| Forbes | . | — | — | — |
| M. Vict'ria | g | 63 | 45 | 0·10 |
| Cond'b'in | . | — | — | — |
| Picton. .. | b | 73 | 56 | 0 |
| Carcoar .. | . | — | — | — |
| Wentw'th | b | 99 | 67 | 0 |
| Young .. | . | — | — | — |
| Woll'g'ng | b | 76 | 61 | 0 |
| Hay..... | . | — | — | — |
| Moss Vale | b | 63 | 33 | 0·12 |
| Euston .. | b | 101 | 64 | 0 |
| Goulburn | b | 75 | 48 | 0 |
| Wagga .. | b | 94 | 52 | 0 |
| Cape Geo. | b | 72 | 51 | 0 |
| Queanb'n | | — | — | — |
| Deniliq'n | b | 78 | 62 | 0 |
| Moruya .. | b | 74 | 68 | 0 |
| Kiandra | b | 70 | 15 | 0 |
| Albury | b | 94 | 57 | 0 |
| B'd'lla | b | — | 51 | 0 |
| Cooma | b | 78 | 40 | 0 |
| Eden | b | 77 | 62 | 0 |
| Gabo | . | — | — | — |

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 8 188? with NOTES to 3 P.M.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s* *E*

Average Annual Rainfall for 21 years - - - - - - - - 50·684.

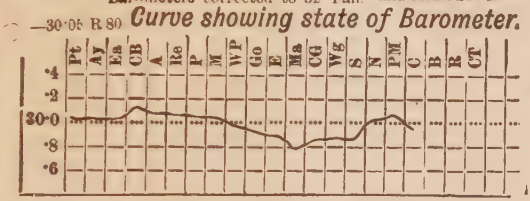
Average for 24 years from Jan. 1st to January 8 0·857

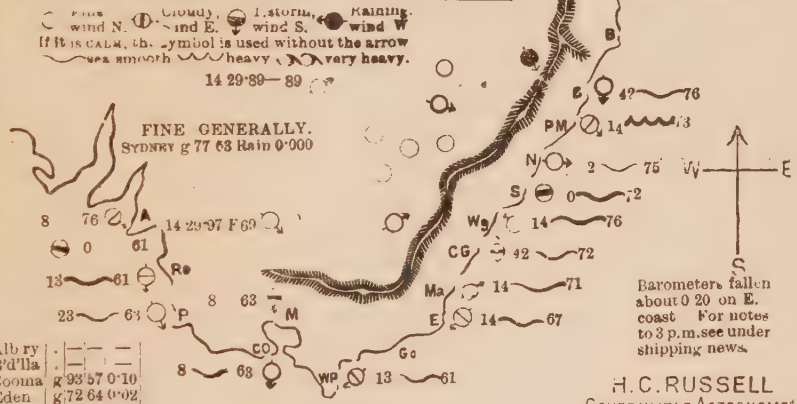
Total Rainfall from Jan. 1st to and Mean Sea Level

Barometers corrected to 32° Fah.

| Stations. | wt | M'x | V'c | R'in |
|---|---|---|---|---|
| Casino .. | p | 84 | 68 | 0·54 |
| T'nt'rfield | . | — | — | . |
| Moree .. | b | 90 | — | 0 |
| Grafton.. | c | 78 | 65 | 0·05 |
| Gl'n Inn's | b | 75 | 50 | 0 |
| Inverell.. | b | 91 | 52 | 0 |
| Bourke .. | b | 99 | 68 | 0 |
| Narrabri. | b | 101 | 58 | 0 |
| Armidale. | g | 67 | — | 0·12 |
| Bendem'r | c | 76 | 31 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble. | b | 86 | 61 | 0 |
| Tamw'rth | b | 93 | 57 | 0 |
| Coonab'n | b | 86 | 48 | 0 |
| P.M'cqrie | g | 78 | 63 | 0·02 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 77 | 53 | 0 |
| Cassilis .. | b | 81 | — | 0 |
| Mus'br'ok | b | 80 | 57 | 0·02 |
| Dubbo .. | b | 87 | 63 | 0 |
| Menindie | . | — | — | . |
| Mudgee.. | b | 59 | 55 | 0 |
| Maitland | c | 80 | 62 | 0·05 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 80 | 64 | 0 |
| Orange . | b | 79 | 56 | 0 |
| Bathurst | b | 86 | 50 | 0 |
| 0 72 Forbs | b | 92 | 64 | 0 |
| M.Vict'ria | b | 89 | 43 | 0 |
| Cond'b'in | b | 85 | 59 | 0 |
| Picton. .. | c | 82 | 57 | 0·02 |
| Carcoar.. | b | 77 | 60 | 0 |
| Wentw'th | . | — | — | — |
| Young .. | b | 93 | 54 | 0 |
| Woll'g'ng | b | 81 | 67 | 0 |
| Hay..... | b | 96 | 60 | 0 |
| Moss Vale | b | 79 | 49 | 0 |
| Euston .. | b | 100 | 51 | 0 |
| Goulburn | b | 89 | 57 | 0 |
| Wagga .. | b | 96 | 55 | 0 |
| Cape Geo. | c | 80 | 49 | 0 |
| Queanb'n | b | 81 | 57 | 0 |
| Deniliq'n | b | 99 | 59 | 0 |
| Moruya .. | g | 78 | 64 | 0 |
| Kiandra | c | 78 | 22 | 0 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | . | — | — | — |
| B'd'lla | . | — | — | — |
| Cooma | g | 93 | 57 | 0·10 |
| Eden | g | 72 | 64 | 0·02 |
| Gabo | . | — | — | — |



# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 9 188? with NOTES to 3 P.M.

Sydney Observatory.

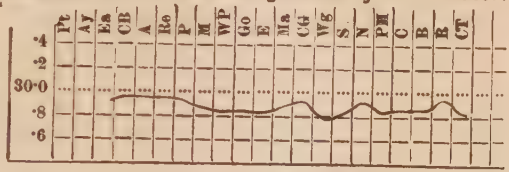
*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* *E*

Average Annual Rainfall for 21 years - .... .... 50·684.
Average for 24 years from Jan. 1st to January 9 0·857
Total Rainfall from Jan. 1st to and Mean Sea Level
Barometers corrected to 32° Fah.

| Stations. | wt | m'x | vn | R'in |
|---|---|---|---|---|
| Casino .. | b | 86 | 59 | 0 |
| T'nt'rfield | b | 80 | 56 | 0 |
| Moree .. | b | 91 | — | 0 |
| Grafton.. | b | 82 | 63 | 0 |
| Gl'n. Inn's | b | 83 | 50 | 0 |
| Inverell .. | g | 91 | 55 | 0 |
| Bourke .. | b | 103 | 76 | 0 |
| Narrabri: | b | 110 | 60 | 0 |
| Armidale: | b | 75 | — | 0 |
| Bendem'r | b | 86 | 46 | 0 |
| Gunned'h | b | 93 | 75 | 0 |
| C'n'mble . | b | 93 | 60 | 0 |
| Tamw'rth | b | 109 | 66 | 0 |
| Coonab'n | b | 94 | 62 | 0·02 |
| P.M'cqrie | b | 79 | 63 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 86 | 63 | 0 |
| Cassilis .. | . | — | — | — |
| Mus'br'ok | b | 94 | 66 | 0 |
| Dubbo .. | b | 92 | 70 | 0 |
| Menindie | b | 103 | 65 | 0 |
| Mudgee.. | b | 93 | 62 | 0 |
| Maitland | b | 87 | 66 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 80 | 63 | 0 |
| Orange . | b | 86 | 52 | 0 |
| Bathurst | b | 88 | 54 | 0 |
| 0 74 Forbs | b | 94 | 65 | 0 |
| M. Vict'ria | b | 78 | 55 | 0·10 |
| Cond'b'in | b | 93 | 73 | 0 |
| Picton. .. | p | 71 | 67 | 0·26 |
| Carcoar.. | b | 86 | 64 | 0 |
| Wentw'th | b | 82 | 58 | 0 |
| Young .. | b | 87 | 60 | 0 |
| Woll'g'ng | c | 96 | 60 | 0 |
| Hay..... | b | 81 | 62 | 0 |
| Moss Vale | g | 87 | 60 | 0·55 |
| Euston .. | b | 78 | 58 | 0 |
| Goulburn | . | — | — | — |
| Wagga .. | b | 94 | 57 | 0 |
| Cape Geo. | p | 85 | 42 | 0·59 |
| Queanb'n | g | 82 | 63 | 0 |
| Deniliq'n | b | 89 | 53 | 0 |
| Moruya .. | g | 77 | 69 | 0 |
| Kiandra | g | 62 | 19 | 0·11 |
| Alb'ry | b | 96 | 52 | 0 |
| B'd'lla | g | — | 57 | 0·82 |
| Cooma | c | 75 | 53 | 0·83 |
| Eden | b | 69 | 57 | 0 |
| Gabo | . | — | — | — |

23 30·06 R 89

## *Curve showing state of Barometer.*




Fine wind N. Cloudy wind E. Storm wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

sea smooth heavy very heavy.

0 29·82 F 95

FINE GENERALLY.
SYDNEY g 71 67 Rain 0·000

14 30·03—73

0 29·99 R 68

14 29·91 —70

13 72 A

13 68

8 64 P

8 63 M

8 67 CO

WP 3 67

Go

E 14 70

Ma 14 65

CG 42 64

Wg 28 70

S 13 72

N 3 75

PM 14 77

C

B 80

R 79

Mi's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

WEATHER.
b-Blue sky
e-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

W E S

Barometers fallen about 0 10 on E, coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN'RY 10 188? with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s* *E*

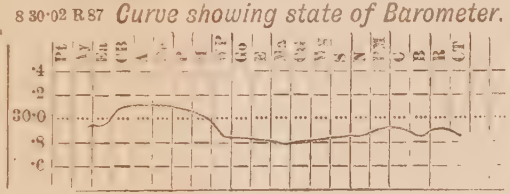
Average Annual Rainfall for 21 years - .... .... 50·684.

Average for 24 years from Jan. 1st to

Total Rainfall from Jan. 1st to January 10 0·857

Barometers corrected to 32° Fah. and Mean Sea Level

8 30·02 R 87 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow

sea smooth heavy, very heavy.

0 29·87 R 90

FINE GENERALLY.

Sydney g 70 66 Rain 0·000

42 30·00 R 69

283 30·00 R 69

14 29·92 R 70

| Stations. | wt | M'x | vn | R'in |
|---|---|---|---|---|
| Casino .. | b | 83 | 69 | 0 |
| T'nt'rfield | b | 89 | 57 | 0 |
| Moree .. | b | 95 | — | 0 |
| Grafton .. | b | 87 | 67 | 0 |
| Gl'n Inn's | b | 85 | 52 | 0·10 |
| Inverell .. | b | 92 | 65 | 0 |
| Bourke .. | b | 105 | 72 | 0 |
| Narrabri : | b | 104 | 45 | 0 |
| Armidale: | b | 83 | — | 0 |
| Bendem'r. | b | 91 | 63 | 0 |
| Gunned'h | b | 96 | 66 | 0 |
| C'n'mble . | b | 93 | 66 | 0 |
| Tamw'rth | b | 107 | 60 | 0 |
| Coonab'n | b | 93 | 68 | 0 |
| P.M'cqrie | c | 82 | 71 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 89 | 63 | 0 |
| Cassilis .. | b | 91 | — | 0 |
| Mus'br'ok | b | 99 | 68 | 0 |
| Dubbo .. | b | 94 | 71 | 0 |
| Menindie | b | 94 | 65 | 0 |
| Mudgee .. | b | 95 | 58 | 0 |
| Maitland | b | 92 | 72 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 79 | 68 | 0 |
| Orange . | b | 83 | 52 | 0 |
| Bathurst | b | 88 | 53 | 0 |
| 8 71 | | | | |
| Forbs | b | 95 | 60 | 0 |
| M.Vict'ria | b | 85 | 55 | 0 |
| Cond'b'in | b | 94 | 73 | 0 |
| Picton. .. | b | 80 | 60 | 0·01 |
| Carcoar .. | b | 82 | 62 | 0 |
| Wentw'th | b | 91 | 56 | 0 |
| Young .. | b | 94 | 64 | 0 |
| Woll'g'ng | b | 81 | 60 | 0 |
| Hay..... | b | 83 | 62 | 0 |
| Moss Vale | b | 72 | 58 | 0 |
| Euston .. | b | 92 | 54 | 0 |
| Goulburn | b | 82 | 53 | 0 |
| Wagga .. | b | 95 | 54 | 0 |
| Cape Geo. | b | 75 | 51 | 0 |
| Queanb'n | b | 80 | 60 | 0 |
| Deniliq'n | b | 90 | 57 | 0 |
| Moruya .. | g | 74 | 64 | 0 |
| Kiandra | b | 79 | 11 | 0 |

| | | | | |
|---|---|---|---|---|
| Albury | b | 98 | 58 | 0 |
| B'd'lla | g | — | 62 | 0 |
| Cooma | g | 83 | 53 | 0 |
| Eden | b | 76 | 61 | 0 |
| Gabo | . | — | — | — |

**WEATHER.**

b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

Mi's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

TIME BALL

Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers fallen about 0 05 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 11, 188 9 with NOTES to 3 P.M.

Sydney Observatory.

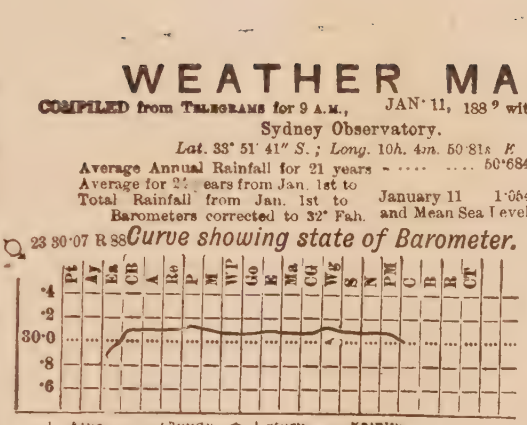
*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s E*

Average Annual Rainfall for 21 years ..... 50·684.
Average for 2½ years from Jan. 1st to January 11 1·064
Total Rainfall from Jan. 1st to and Mean Sea Level
Barometers corrected to 32° Fah.

| Stations. | wt | m'x | vn | r'in | |
|---|---|---|---|---|---|
| Casino .. | b | 98 | 70 | 0 | |
| T'nt'rfield | b | 94 | 60 | 0 | |
| Morse .. | b | 99 | — | 0 | |
| Grafton.. | c | 92 | 63 | 0 | |
| Gl'n Inn's | b | 89 | 61 | 0 | |
| Inverell .. | b | 93 | 60 | 0 | |
| Bourke .. | b | 103 | 73 | 0 | |
| Narrabri .. | b | 110 | 59 | 0 | |
| Armidale. | b | 86 | — | 0 | |
| Bendem'r | b | 91 | 43 | 0 | |
| Gunned'h | b | 99 | 69 | 0 | |
| C'n'mble . | b | 91 | 63 | 0 | |
| Tamw'rth | b | 103 | 70 | 0 | |
| Coonab'n | b | 94 | 59 | 0 | |
| F.M'cqrie | b | 86 | 73 | 0 | |
| W'lcannia | . | — | — | — | |
| Murr'ndi | b | 91 | 67 | 0 | |
| Cassilis .. | b | 89 | — | 0 | |
| Mus'br'ok | b | 103 | 68 | 0 | |
| Dubbo .. | b | 92 | 72 | 0 | |
| Menindie | b | 87 | 56 | 0 | |
| Mudgee.. | g | 96 | 67 | 0 | |
| Maitland | g | 95 | 70 | 0 | |
| Hill End . | . | — | — | — | |
| Newcast'e | b | 81 | 68 | 0 | |
| Orange . | b | 81 | 54 | 0 | |
| Bathurst | b | 87 | 58 | 0 | |
| 8 73 | | | | | |
| Forts | b | 95 | 61 | 0 | |
| M. Vict'ria | g | 88 | 58 | 0 | |
| Cond'b'in | b | 93 | 73 | 0 | |
| Picton. .. | g | 80 | 62 | 0·02 | |
| Carcoar.. | f | 81 | 60 | 0 | |
| Wentw'th | b | 85 | 67 | 0 | |
| Young .. | b | 96 | 59 | 0 | |
| Woll'g'ng | c | 82 | 60 | 0·10 | |
| Hay..... | b | 86 | 48 | 0 | |
| Moss Vale | g | 80 | 56 | 0·01 | |
| Euston .. | b | 87 | 53 | 0 | |
| Goulburn | . | — | — | — | |
| Wagga .. | b | 92 | 50 | 0 | |
| Cape Geo. | c | 74 | 50 | 0 | |
| Queanb'n | c | 84 | 63 | 0 | |
| Deniliq'n | b | 76 | 53 | 0 | |
| Moruya .. | g | 74 | 61 | 0 | |
| Kiandra | b | 74 | 15 | 0 | |

| | | | | |
|---|---|---|---|---|
| Albury | b | 90 | 51 | 0 |
| B'd'lla | g | — | 58 | 0 |
| Cooma | c | 83 | 53 | 0 |
| Eden | b | 75 | 60 | 0 |
| Gabo | . | — | — | — |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy

WEATHER.
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

MI's WIND SCALE.
13-Li't breeze
23-Mod. ,,
34-Fresh ,,
50-Strg gale
65-Whole ,,

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

42 29·94 R 82

FINE GENERALLY.
SYDNEY g 81 65 Rain 0·192

28 30·17 R 72

14 30·07 R 69

14 30·06 R 65

Barometers risen about 0·15 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 12, 1889 with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long.* 10*h.* 4*m.* 50·81*s* E.

Average Annual Rainfall for 21 years = ..... ..... 50·084.
Average for 24 years from Jan. 1st to January 12 2·764
Total Rainfall from Jan. 1st to and Mean Sea Level
Barometers corrected to 32° Fah.

*Curve showing state of Barometer.*

| Stations. | wt | m'x | m'n | r'fn |
|---|---|---|---|---|
| Casino .. | c | 95 | 63 | 0·49 |
| T'nt'rfield | b | 88 | 59 | 0 |
| Moree .. | b | 97 | — | 0 |
| Grafton.. | c | 91 | 67 | 0·40 |
| Gl'n Inn's | g | 85 | 57 | 0·27 |
| Inverell.. | b | 92 | 63 | 0·10 |
| Bourke .. | b | 102 | 71 | 0 |
| Narrabri. | b | 111 | 57 | 0 |
| Armidale. | b | 80 | — | 0·94 |
| Bendem'r | b | 89 | 46 | 0·42 |
| Gunned'h | b | 99 | 74 | 0 |
| C'n'mble. | . | — | — | — |
| Tamw'rth | b | 107 | 66 | 0·10 |
| Coonab'n | b | 98 | 59 | 0 |
| P.M'cqrie | b | 83 | 72 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi | b | 87 | 64 | 0 |
| Cassilis .. | b | 85 | — | 0·25 |
| Mus'br'ok | b | 92 | 68 | 0 |
| Dubbo .. | b | 93 | 74 | 0 |
| Menindie | b | 94 | 69 | 0 |
| Mudgee.. | b | 95 | 64 | 0 |
| Maitland | b | 97 | 70 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 81 | 70 | 0 |
| Orange . | b | 86 | 56 | 0 |
| Bathurst | b | 88 | 56 | 0 |
| Forbes | b | 95 | 62 | 0 |
| M'Vict'ria | b | 74 | 53 | 0 |
| Cond'b'in | b | 95 | 74 | 0 |
| Picton. .. | . | — | — | — |
| Carcoar.. | b | 84 | 70 | 0 |
| Wentw'th | c | 94 | 66 | 0 |
| Young .. | b | 96 | 61 | 0 |
| Woll'g'ng | d | 72 | 68 | 0·40 |
| Hay..... | b | 87 | 60 | 0 |
| Moss Vale | b | 69 | 58 | 0·10 |
| Euston .. | b | 93 | 54 | 0 |
| Goulburn | b | 81 | 59 | 0 |
| Wagga .. | b | 93 | 53 | 0 |
| Cape Geo. | g | 71 | 50 | 0 |
| Queanb'n | g | 78 | 64 | 0 |
| Deniliq'n | b | 90 | 55 | 0 |
| Moruya .. | g | 74 | 62 | 0 |
| Kiandra . | b | 84 | 15 | 0 |
| Albury | b | 93 | 52 | 0 |
| B'd'lla | g | — | 59 | 0 |
| Cooma | g | 80 | 56 | 0 |
| Eden | b | 72 | 63 | 0 |
| Gabo | . | — | — | — |

WEATHER.
b-Blue sky .
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

WIND SCALE.
1-Lt'l brze
2-Mod. ,,
3-Fresh ,,
4-Strg gale
5-Whole ,,

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

FINE GENERALLY.
SYDNEY p 75 67 Rain 1·700

Barometers fallen about 0·10 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 13, 1882 with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S ; *Long.* 10*h.* 4*m.* 59·81 s. E

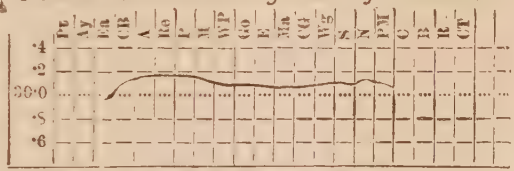
Average Annual Rainfall for 21 years . . . . . 50·684.

Average for 24 years from Jan. 1st to

Total Rainfall from Jan. 1st to January 13 2·756

Barometers corrected to 32° Fah. and Mean Sea Level

8 29·96 F 100 *Curve showing state of Barometer.*



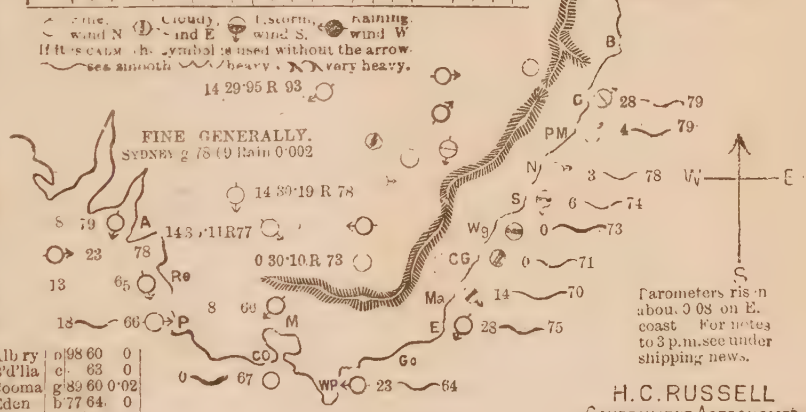

Fine, wind N. Cloudy, wind E. Storm, wind S. Raining, wind W.

If it is CALM the symbol is used without the arrow.

sea smooth, heavy, very heavy.

| Stations. | wt | M'x | Vt | R'in |
|---|---|---|---|---|
| Casino .. | b | 92 | 68 | 0 |
| T'nt'rfield | . | — | — | — |
| Moree .. | b | 94 | — | 0 |
| Grafton .. | g | 88 | 72 | 0 |
| Gl'n Inn's | b | 83 | 59 | 0·03 |
| Inverell .. | b | 91 | 66 | 0 |
| Bourke .. | b | 106 | 76 | 0 |
| Narrabri . | b | 107 | 60 | 0·05 |
| Armidale. | b | 81 | — | 0 |
| Bendem'r | g | 88 | 55 | 0·03 |
| Gunned'h | c | 97 | 75 | 0 |
| C'n'mble . | b | 95 | 66 | 0 |
| Tamw'rth | c | 103 | 67 | 0·06 |
| Coonab'n | b | 97 | [illegible] | 0 |
| F.M'cqrie | b | 85 | [illegible] | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 87 | 64 | 0 |
| Cassilis .. | b | 89 | — | [illegible] |
| Mus'br'ok | g | 103 | 70 | 0·03 |
| Dubbo .. | b | [illegible] | 75 | 0 |
| Menindie | b | 10[illegible] | 80 | 0 |
| Mudgee .. | g | 98 | 60 | 0 |
| Maitland | g | 94 | 72 | 0 |
| Hill End . | g | — | — | 0 |
| Newcast'e | b | 82 | 70 | 0 |
| Orange . | b | 87 | 62 | 0 |
| Bathurst | g | 91 | 65 | 0 |
| 18 75 Forts | c | 97 | 64 | 0 |
| M.Vict'ria | g | 80 | 60 | 0 |
| Cond'b'in | b | 94 | 78 | 0 |
| Picton. . | g | 86 | 65 | 0·04 |
| Carcoar .. | g | 84 | 72 | 0 |
| Wentw'th | b | 101 | 67 | 0 |
| Young .. | b | 100 | 70 | 0 |
| Woll'g'ng | c | 85 | 62 | 0 |
| Hay..... | . | — | — | — |
| Moss Vale | r | 81 | 62 | 0·02 |
| Euston .. | b | 102 | 59 | 0 |
| Goulburn | g | 93 | 59 | 1·35 |
| Wagga .. | b | 97 | 63 | 0 |
| Cape Geo. | g | 81 | 53 | 0·07 |
| Queanb'n | b | 84 | 65 | 0·45 |
| Deniliq'n | b | 95 | 59 | 0 |
| Moruya .. | g | 78 | 67 | 0 |
| Kiandra | b | 95 | 25 | 0 |

| | | | | |
|---|---|---|---|---|
| Albury | b | 98 | 60 | 0 |
| B'd'lla | c | | 63 | 0 |
| Cooma | g | 89 | 60 | 0·02 |
| Eden | b | 77 | 64 | 0 |
| Gabo | . | — | — | — |




WEATHER.
b-Blue sky .
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

Mi's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers rise about 0·08 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., JAN. 15, 1889 with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long.* 10*h* 4*m* 50 S1s. E.

Average Annual Rainfall for 21 years ... 50·84.
Average for 24 years from Jan. 1st to
Total Rainfall from Jan. 1st to January 15 ... 3·226
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wr | mx | mi | rain |
| --- | --- | --- | --- | --- |
| Casino .. | b | [illegible] | [illegible] | ·14 |
| Tent'rfield | g | 82 | 74 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 82 | [illegible] | 0 |
| Gl'n Inn's | b | 79 | 51 | [illegible] |
| Inverell .. | b | 91 | 3[illegible] | 1·2[illegible] |
| Bourke .. | b | 89 | 73 | 0 |
| Narrabri .. | . | — | — | — |
| Armidale .. | . | — | — | — |
| Bendemeer | b | 75 | 41 | 0 |
| Gunnedah | b | 82 | 65 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Tamworth | b | [illegible] | [illegible]7 | [illegible] |
| Coonabar. | [illegible] | 84 | 72 | [illegible] |
| P. Macquarie | [illegible] | 81 | [illegible] | 0 |
| Wilcannia | . | — | — | — |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 58 | [illegible] |
| Muswellb'k | . | — | — | — |
| Dubbo .. | b | [illegible] | [illegible] | 0 |
| Menindie | b | 1[illegible] | [illegible] | 0 |
| Mudgee .. | [illegible] | [illegible] | [illegible] | ·7[illegible] |
| Maitland | b | [illegible] | [illegible] | 1[illegible] |
| Hill End .. | . | — | — | 0 |
| Newcast'e | b | 79 | 66 | 0 |
| Orange .. | b | 83 | 56 | 0 |
| Bathurst | b | 85 | 54 | 0 |
| | | 23 | 71 | |
| Forbes | b | 9[illegible] | [illegible] | 0 |
| M. Vict'ria | b | 81 | 52 | 0·55 |
| Cond'b'in | b | [illegible] | 72 | 0 |
| Picton .. | b | 56 | 23 | 0 |
| Carcoar .. | b | 8[illegible] | 6[illegible] | 0 |
| Wentw'th | b | 1[illegible]8 | 76 | 0 |
| Young .. | b | 96 | 62 | 0 |
| Wolf'g'ng | b | 85 | 65 | 0 |
| Hay...... | . | — | — | — |
| Moss Vale | b | 83 | 57 | 0 |
| Euston .. | b | 10[illegible] | 76 | 0 |
| Goulburn | b | [illegible] | 53 | 0 |
| Wagga .. | b | 101 | 63 | 0 |
| Cape Geo. | b | 82 | 51 | 0 |
| Queanb'n | b | 83 | 64 | 0 |
| Deniliq'n | b | 104 | 02 | 0 |
| Moruya .. | b | 78 | 63 | 0 |
| Kiandra .. | b | 1[illegible]2 | 35 | 0 |
| Albury | b | [illegible] | 40 | 0 |
| B'rilla | b | — | 57 | 0 |
| Cooma | b | 95 | 58 | 0 |
| Eden | b | 77 | 66 | 0 |
| Gabo | . | — | — | — |

*Curve showing state of Barometer.*

**WEATHER.**
b-Blue sky.
c-Scattered clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
o-Overcast
p-Passing show'rs

WIND SCALE.
13-Lit breeze
23-Mod. ,,
34-Fresh ,,
56-Strong ,,
65-Whole ,,

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·1 s. p.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·08 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., : JAN· 16, 1883. with Notes to 3 P.M.

## Sydney Observatory.

*Lat. 33° 51′ 41″ S. ; Long.* 10h. 4m. 50 Sec. E.

Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to
Total Rainfall from Jan. 1st to January 16 3·226
Barometers corrected to 32° Fah. and Mean Sea Level

S 29·81 F 97 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

S 29·81 R 87

FINE GENERALLY.
SYDNEY b 80·65 Rain 0·000

56 30·05 F 91
14 29·76F 90
14 30·07 F 76

WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

WEATHER.
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S M T,
or 2h.55m.9·19s,a,m,
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·10 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | wt | m'x | vn | r'in |
|---|---|---|---|---|
| Casino .. | b | 81 | 61 | 0 |
| Tnt'rfield | g | 74 | 57 | 0·06 |
| Moree .. | b | 88 | — | 0 |
| Grafton. | b | 82 | 65 | 0 |
| Gl'n Inn's | b | 76 | 52 | 0 |
| Inverell .. | b | 91 | 50 | 0 |
| Bourke .. | b | 94 | 70 | 0 |
| Narrabri. | b | 98 | 48 | 0 |
| Armidale. | b | 74 | 28 | 0 |
| Bendem'r | b | 77 | 34 | 0 |
| Gunned'h | b | 88 | 67 | 0 |
| C'n'mble. | b | 89 | 58 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n | b | 89 | 50 | 0 |
| F.M'cqrie | b | 82 | 61 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi | b | 85 | 58 | 0 |
| Cassilis .. | b | 84 | 60 | 0 |
| Mus'br'ok | b | 92 | 60 | 0 |
| Dubbo .. | b | 89 | 72 | 0 |
| Menindie | b | 99 | 75 | 0 |
| Mudgee.. | b | 88 | 61 | 0 |
| Maitland | b | 90 | 65 | 0 |
| Hill End . | b | — | — | 0·05 |
| Newcast'e | b | 80 | 67 | 0 |
| Orange . | b | 82 | 55 | 0 |
| Bathurst | b | 89 | 54 | 0 |
| Forbs | b | 98 | 64 | 0 |
| M.Vict'ria | b | 83 | 54 | 0 |
| Cond'b'in | b | 91 | 72 | 0 |
| Picton. .. | b | 86 | 45 | 0 |
| Carcoar.. | b | 83 | 62 | 0 |
| Wentw'th | b | 106 | 74 | 0 |
| Young . | b | 98 | 61 | 0 |
| Woll'g'ng | b | 82 | 64 | 0 |
| Hay..... | b | 102 | 64 | 0 |
| Moss Vale | . | — | — | — |
| Euston .. | b | 106 | 72 | 0 |
| Goulburn | b | 92 | 54 | 0 |
| Wagga .. | b | 100 | 53 | 0 |
| Cape Geo. | b | 77 | 52 | 0 |
| Queanb'n | b | 88 | 63 | 0 |
| Deniliq'n | b | 105 | 68 | 0 |
| Moruya . | b | 79 | 62 | 0 |
| Kiandra | b | 92 | 19 | 0 |
| Albury | b | — | 60 | 0 |
| B'd'lla | b | — | 57 | 0 |
| Cooma | b | 96 | 55 | 0 |
| Eden | b | 81 | 75 | 0 |
| Gabo | . | — | — | — |

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 17 1883 with NOTES to 3 P.M.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ S : *Long.* 10h. 4m. 50 81s E

Average Annual Rainfall for 24 years . . . . . 50·640.

Average for 25 years from Jan. 1st to

Total Rainfall from Jan. 1st to January 17 3·226

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | Vt | R'in |
|---|---|---|---|---|
| Casino .. | b | 89 69 | | 0 |
| T'nt'rfield | . | — | — | — |
| Moree .. | b | 92 — | | 0 |
| Grafton .. | b | 84 64 | | 0 |
| Gl'n Inn's | b | 83 52 | | 0 |
| Inverell .. | b | 91 57 | | 0 |
| Bourke .. | b | 99 78 | | 0 |
| Narrabri . | b | 105 49 | | 0 |
| Armidale . | b | 79 — | | 0 |
| Bendem'r | b | 83 44 | | 0 |
| Gunned'h | b | 91 66 | | 0 |
| C'nt'rble . | . | — | — | — |
| Tamw'rth | b | 103 64 | | 0 |
| Coonab'n | b | 91 54 | | 0 |
| I. M'lqrie | b | 84 60 | | 0 |
| W'lcannia | . | — | — | |
| Murr'ndi | b | 89 65 | | 0 |
| Cassilis .. | b | 84 60 | | 0 |
| Mus'br'ok | b | 98 62 | | 0 |
| Dubbo .. | b | 92 70 | | 0 |
| Menindie | b | 103 70 | | 0 |
| Mudgee .. | b | 93 57 | | 0 |
| Maitland | b | 91 65 | | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 81 65 | | 0 |
| Orange . | b | 92 54 | | 0 |
| Bathurst | b | 93 55 | | |
| 28 71 Forbs | b | 100 63 | | 0 |
| M. Vict'ria | b | 91 53 | | 0 |
| Cond'b'in | b | 101 75 | | 0 |
| Picton. .. | b | 83 57 | | 0 |
| Carcoar .. | b | 85 65 | | 0 |
| Wentw'th | b | 107 61 | | 0 |
| Young .. | b | 102 61 | | 0 |
| Woll'g'ng | b | 81 65 | | 0 |
| Hay..... | b | 103 58 | | 0 |
| Moss Vale . | | 87 61 | | 0 |
| Euston .. | b | 108 57 | | 0 |
| Goulburn | b | 99 57 | | 0 |
| Wagga .. | c | 102 61 | | 0 |
| Cape Geo. | b | 79 51 | | 0 |
| Queanb'n | b | 89 64 | | 0 |
| Deniliq'n | b | 106 58 | | 0 |
| Moruya . | b | 67 53 | | 0 |
| Kiandra | | 95 15 | | 0 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | b | — | 66 | 0 |
| B'd'lla | b | — | 57 | 0 |
| Cooma | c | 96 | 52 | 0 |
| Eden | b | 80 | 75 | 0 |
| Gabo | . | — | — | — |

S 29·92 R 98 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.

If it is CALM, the symbol is used without the arrow

sea smooth, heavy, very heavy.

Barometers fall in about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

**WEATHER.**

b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

Ml's WIND SCALE.
13-Lit'l brze
23-Mod. „
34-Fresh „
56-Strg gale
65-Whole „

TIME BALL

Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

H. C. RUSSELL

GOVERNMENT ASTRONOMER.

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 18 1883 with NOTES to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long.* 10h. 4m. 50.9s. E.

Average Annual Rainfall for 24 years [illegible]

Average for 25 years from Jan. 1st to January 18 4·576

Total Rainfall from Jan. 1st to [illegible]

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | M'n | R'n |
|---|---|---|---|---|
| Casino .. | b | 91 | 62 | 0 |
| T'nt'rfield | g | 78 | 54 | 0 |
| Moree .. | b | 92 | — | 0 |
| Grafton.. | c | [illegible] | [illegible] | [illegible] |
| Gl'n Inn's | g | [illegible] | [illegible] | 0 |
| Inverell.. | g | 91 | 58 | 0 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| Armidale | b | 83 | — | 0 |
| [illegible] | g | [illegible] | [illegible] | [illegible] |
| Gunnedah | . | — | — | — |
| [illegible] | . | [illegible] | [illegible] | [illegible] |
| Tamw'rth | b | 101 | 63 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | . | [illegible] | [illegible] | [illegible] |
| Murr'ndi | b | 91 | 64 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Mus'brook | b | 105 | 66 | 0 |
| Dubbo .. | b | 96 | 72 | 0 |
| Menindie | b | 93 | 63 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 82 | 64 | 0 |
| Orange . | b | 88 | 51 | 0 |
| Bathurst | g | 95 | 60 | 0 |
| Forbes | [illegible] | 101 | 64 | 0 |
| M.Vict'ria | r | 85 | 53 | 0·20 |
| [illegible] | [illegible] | [illegible] | 71 | 0 |
| Picton.. | [illegible] | [illegible] | [illegible] | 0 |
| Carcoar.. | b | 87 | 55 | 0 |
| Wentw'th | b | 89 | 60 | 0 |
| Young .. | b | 96 | 59 | 0 |
| Woll'g'ng | c | 81 | 62 | 0 |
| Hay .... | b | [illegible] | 55 | 0 |
| Moss Vale | g | [illegible] | 55 | 0 |
| Euston .. | b | 90 | 53 | 0 |
| Goulburn | g | [illegible] | 53 | 0 |
| Wagga .. | b | [illegible] | 57 | 0 |
| Cape Geo. | c | 71 | 47 | 0 |
| Queanb'n | b | 86 | 59 | 0 |
| Deniliq'n | b | [illegible] | 78 | 0 |
| Moruya . | g | 73 | 59 | 0 |
| Kiandra | f | 55 | 13 | 0 |
| Albury | b | [illegible] | 63 | 0 |
| B'd'lla | p | [illegible] | 76 | 0·01 |
| Cooma | c | 76 | 51 | 0·10 |
| Eden | g | 75 | 63 | 0·19 |
| Gabo | . | — | — | — |

## Curve showing state of Barometer.

WEATHER.
b-Blue sky,
c-Scattered clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
[illegible]
[illegible]
[illegible]

Wind Scale.
13-Light breeze
23-Mod. "
34-Fresh "
[illegible]
65-Whole "

TIME BALL
Drops at 1 p.m., S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers rise about 0·20 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from **TELEGRAMS** for 9 A.M., JAN. 19 1883 with **NOTES** to 3 P.M.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S* : *Long.* 10*h.* 4*m.* 50·81*s*

Average Annual Rainfall for 24 years ..... 50·640.

Average for 25 years from Jan. 1st to January 19 5·946

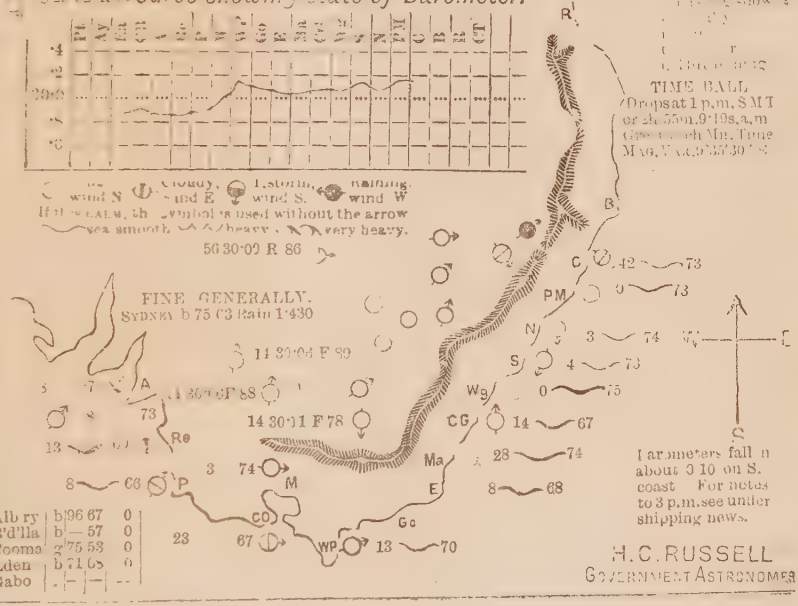
Total Rainfall from Jan. 1st to January 19 and Mean Sea Level

Barometers corrected to 32° Fah.

| Stations. | wt | M | V | r | R | in |
|---|---|---|---|---|---|---|
| Casino .. | p | 84 | 58 | 0 | 0 | 37 |
| T'nt'rfield | g | 82 | 56 | 0 | | |
| Moree .. | b | 90 | — | 0 | | |
| Grafton.. | c | 83 | 65 | 0 | | |
| Gl'n Inn's | b | 77 | 53 | 0 | | |
| Inverell .. | b | 88 | 56 | 0 | | |
| Bourke .. | c | 102 | 77 | 0 | | |
| Narrabri. | b | 107 | 48 | 0 | | |
| Armidale. | b | [illegible] | — | 0 | | |
| P[illegible] | c | [illegible] | [illegible] | 0 | | |
| Gunned'h | . | — | — | — | | |
| C[illegible] | . | — | — | — | | |
| Tamw'rth | b | 97 | 61 | 0 | | |
| Coonab'n | b | 89 | 58 | 0 | | |
| P.M'cqrie | b | 81 | 64 | 0 | | |
| W'cannia | . | — | — | — | | |
| Murr'ndi | b | 91 | 59 | 0 | | |
| Cassilis .. | b | 81 | 57 | 0 | | |
| Mus'br'ok | b | 92 | 61 | 0 | | |
| Dubbo .. | b | 92 | 70 | 0 | | |
| Menindie | b | 98 | 71 | 0 | | |
| Mudgee.. | b | 90 | 69 | 0 | | |
| Maitland | b | 88 | 65 | 0 | | |
| Hill End . | | — | — | — | | |
| Newcast'e | b | 83 | 65 | 0 | | |
| Orange . | b | 81 | 51 | 0 | | |
| Bathurst | b | 83 | 56 | 0 | | |
| 0 69 | | | | | | |
| Forts | | 103 | 61 | 0 | | |
| M.Vict'ria | b | 81 | 53 | 0 | | |
| Cond'b'in | b | 85 | 70 | 0 | | |
| Picton. .. | b | 67 | 55 | 0 | | |
| Carcoar.. | b | 79 | 59 | 0 | | |
| Wentw'th | b | 98 | 66 | 0 | | |
| Young .. | b | 92 | 63 | 0 | | |
| Well'g'ng | b | 75 | 57 | 0 | 0·08 | |
| Hay..... | c | 109 | 68 | 0 | | |
| Moss Vale | b | 71 | 57 | 0 | | |
| Euston .. | b | 103 | 56 | 0 | | |
| Goulburn | g | 72 | 53 | 0 | | |
| Wagga .. | b | 91 | 58 | 0 | | |
| Cape Geo. | b | 72 | 42 | 0 | | |
| Queanb'n | b | 79 | 66 | 0 | | |
| Deniliq'n | b | 100 | 68 | 0 | | |
| Moruya .. | b | 69 | 61 | 0 | | |
| Kiandra | b | 78 | 18 | 0 | 0·10 | |

| | | | | |
|---|---|---|---|---|
| Alb'ry | b | 96 | 67 | 0 |
| B'd'lla | b | — | 57 | 0 |
| Cooma | g | 75 | 53 | 0 |
| Eden | b | 71 | 65 | 0 |
| Gabo | - | — | — | -- |

*Curve showing state of Barometer.*




WEATHER.
b-Blue sky.
c Scatter'd clouds
d Drizzling rain
f-[illegible]
g-[illegible]y, dull
[illegible]
13-Lt [illegible]
23-Mod [illegible]
34-Fresh [illegible]
[illegible]
65-Wh[illegible]

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fall in about 0·10 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 20 1883 with NOTES to 3 P.M.**

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long.* 10h. 4m. 50·81s. *E*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to January 20 5·946
Total Rainfall from Jan. 1st to January 20 and Mean Sea Level
Barometers corrected to 32° Fah.

*Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

**WEATHER.**
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing showers
q-Squally
r-Rain
t-Thunder
u-Threatening

**WIND SCALE.**
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

**TIME BALL**
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

28 29·95 F 92
56 29·02 F 93
0 29·90 F 91
0 29·96 F 80
FINE GENERALLY.
SYDNEY b 78 67 Rain 0·000

Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 86 | 60 | 0·10 |
| N'nt'rfield | b | 82 | 58 | 0 |
| Moree . | o | 93 | — | 0 |
| Grafton . | g | 84 | 66 | 0 |
| Gl'n Inn's | b | 83 | 53 | 0 |
| Inverell .. | b | 88 | 55 | 0 |
| Bourke .. | b | 100 | 79 | 0 |
| Narrabri . | b | 107 | 47 | 0 |
| Armidale. | b | 79 | — | 0 |
| Bendem'r | b | 81 | 41 | 0 |
| Gunned'h | b | 91 | 60 | 0 |
| C'n'mble . | c | 95 | 63 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n | o | 93 | 54 | 0 |
| E.M'cqrie | b | 82 | 65 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi | b. | 88 | 61 | 0 |
| Cassilis .. | o | 80 | 65 | 0 |
| Mus'br'ok | b | 95 | 63 | 0 |
| Dubbo .. | b | 95 | 73 | 0 |
| Menindie | b | 105 | 83 | 0 |
| Mudgee.. | b | 92 | 61 | 0 |
| Maitland | b | 92 | 67 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 81 | 65 | 0 |
| Orange . | c | 86 | 59 | 0·04 |
| Bathurst | b | 92 | 57 | 0 |
| Forbs | | 99 | 62 | 0 |
| M.Vict'ria | b | 83 | 53 | 0 |
| Cond'b'in | c | 90 | 75 | 0 |
| Picton. .. | b | 82 | 58 | 0 |
| Carcoar.. | g | 84 | 62 | 0 |
| Wentw'th | b | 101 | 76 | 0 |
| Young . | b | 97 | 69 | 0 |
| Woll'g'ng | b | 82 | 64 | 0 |
| Hay .... | . | — | — | — |
| Moss Vale | b | 82 | 60 | 0 |
| Euston .. | b | 99 | 72 | 0 |
| Goulburn | b | 91 | 57 | 0·25 |
| Wagga .. | b | 101 | 53 | 0 |
| Cape Geo. | b | 75 | 53 | 0 |
| Queanb'n | b | 88 | 65 | 0 |
| Deniliq'n | b | 107 | 72 | 0 |
| Moruya . | b | 72 | 64 | 0 |
| Kiandra | b | 102 | 70 | 0 |
| Albury | b | — | 63 | 0 |
| B'd'lla | b | — | 57 | 0 |
| Cooma | b | 94 | 57 | 0 |
| Eden | b | 77 | 61 | 0 |
| Gabo | . | — | — | — |

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 22 1883, with NOTES to 3 P.M.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·1s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to .
Total Rainfall from Jan. 1st to
Barometers corrected to 32° Fah.

January 22 6·006
and Mean Sea Level

| Stations. | wt | m'x'm | R'in |
|---|---|---|---|
| Casino .. | g | 94 67 | 0·18 |
| T'nt'rfield | o | 92 58 | 0·55 |
| Moree .. | b | 98 — | 0 |
| Grafton.. | o | 91 70 | 0·30 |
| Gl'n Inn's | b | 89 52 | 0 |
| Inverell.. | b | 88 61 | 0 |
| Bourke .. | b | 115 76 | 0 |
| Narrabri. | b | 110 53 | 0 |
| Armidale. | b | 85 — | 0·19 |
| Bendem'r | g | 92 52 | 0 |
| Gunned'h | . | — — | — |
| C'n'mble. | b | 105 66 | 0 |
| Tamw'rth | b | 106 72 | 0 |
| Coonab'n | o | 99 62 | 0 |
| F.M'cqrie | c | 82 70 | 0 |
| W'leannia | . | — — | — |
| Murr'ndi | g | 90 62 | 0 |
| Cassilis .. | g | 95 60 | 0 |
| Mus'br'ok | g | 105 66 | 0 |
| Dubbo .. | b | 100 74 | 0 |
| Menindie | b | 186 68 | 0 |
| Mudgee.. | g | 97 63 | 0 |
| Maitland | g | 101 70 | 0 |
| Hill End . | . | — — | — |
| Newcast'e | c | 82 64 | 0·01 |
| Orange . | b | 88 55 | 0 |
| Bathurst | b | 92 57 | 0·05 |
| Forbes | b | 95 60 | 0 |
| M.Vict'ria | c | 89 53 | 0 |
| Cond'b'in | b | 85 75 | 0 |
| Picton. .. | g | 83 62 | 0·46 |
| Carcoar.. | b | 84 64 | 0 |
| Wentw'th | b | 84 60 | 0 |
| Young .. | b | 96 59 | 0 |
| Woll'g'ng | c | 85 59 | 0·12 |
| Hay..... | b | 103 60 | 0 |
| Moss Vale | g | 81 54 | 0·64 |
| Euston .. | b | 89 55 | 0 |
| Goulburn | b | 86 56 | 0 |
| Wagga .. | b | 105 51 | 0 |
| Cape Geo. | p | 70 45 | 0·35 |
| Queanb'n | b | 83 60 | 0 |
| Deniliq'n | b | 102 51 | 0 |
| Moruya .. | g | 70 67 | 0·05 |
| Kiandra | c | 58 13 | 0·07 |
| Albury | b | 92 58 | 0 |
| B'd'lla | g | — 55 | 0·41 |
| Cooma | c | 89 51 | 0·10 |
| Eden | g | 79 59 | 0 |
| Gabo | . | — — | — |

## Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. Storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth. heavy. very heavy.

28 29·91 F 85

FINE GENERALLY.
SYDNEY g 81 65 Rain 0·060

28 30·21 R 67
14 30·07 R 68
14 30·24 R 68

WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

WEATHER.
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 23 1883, with Notes to 3 P.M.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50 61s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to .
Total Rainfall from Jan. 1st to January 23 6·226
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x'm | R'in |
|---|---|---|---|
| Casino .. | g | 94 63 | 1·35 |
| T'nt'rfield | r | 88 56 | 0 |
| Moree .. | p | 100 — | 0 |
| Grafton .. | b | 86 65 | 1·13 |
| Gl'n Inn's | b | 89 53 | 0·09 |
| Inverell .. | b | 89 59 | 0 |
| Bourke .. | b | 99 71 | 0 |
| Narrabri. | b | 106 52 | 0 |
| Armidale. | . | — — | — |
| Bendem'r | g | 93 45 | 0 |
| Gunned'h | b | 100 66 | 0 |
| C'n'mble . | . | — — | — |
| Tamw'rth | b | 103 59 | 0 |
| Coonab'n | b | 90 57 | 0 |
| L.M'cquie | o | 80 62 | 0 |
| Wilcannia | . | — — | — |
| Murr'ndi | c | 79 61 | 0 |
| Cassilis .. | c | 82 64 | 0 |
| Mus'br'ok | g | 85 50 | 0·02 |
| Dubbo .. | b | 98 69 | 0 |
| Menindie | b | 87 66 | 0 |
| Mudgee.. | b | 96 60 | 0 |
| Maitland | p | 78 64 | 0·10 |
| Hill End . | . | — — | — |
| Newcast'e | p | 76 62 | 0·26 |
| Orange . | c | 82 54 | 0 |
| Bathurst | b | 86 57 | 0 |
| 18 72 | | | |
| Forbes | b | 97 62 | 0 |
| M.Vict'ria | g | 89 44 | 0 |
| Cond'b'in | b | 87 76 | 0 |
| Picton. .. | . | — — | 0 |
| Carcoar .. | b | 89 60 | 0 |
| Weatw'th | b | 85 55 | 0 |
| Young .. | b | 96 56 | 0 |
| Wollg'ng | p | 78 57 | 0·13 |
| Hay ..... | b | 87 50 | 0 |
| Nyngan | g | 69 52 | 0·14 |
| Euston .. | b | 88 51 | 0 |
| Goulburn | g | 79 58 | 0 |
| Wagga .. | b | 92 69 | 0 |
| Cape Geo. | r | 67 42 | 0·49 |
| Queanb'n | c | 77 55 | 0 |
| Deniliq'n | b | 86 53 | 0 |
| Moruya .. | g | 74 59 | 0 |
| Kiandra | b | 71 — | 0 |
| Albury | b | 93 50 | 0 |
| B'd'lla | g | — 55 | 0 |
| Cooma | c | 77 49 | 0 |
| Eden | p | 74 57 | 0·23 |
| Gabo | . | — — | — |

## Curve showing state of Barometer.

8 30 01 R 88

PE AV Ba CB A Ro P M WP Go E Ma CG Wg S N PM C B R CT

·4
·2
30·0
·8
·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow-
sea smooth. heavy . very heavy.

14 29·86 F 83

FINE GENERALLY.
SYDNEY g 74 60 Rain 0·220

28 30·16 F 65

14 30·04 F 70

28 30·09 R 66

WEATHER.
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q Squally
r-Rain
t-Thunder
u-Threatening

WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m,
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E

Barometers fallen about 0·10 on S. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 24 1883 with NOTES to 3 P.M.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long.* 10h. 4m. 50·81s. E.

Average Annual Rainfall for 24 years ... ... ... ... 50·040.
Average for 25 years from Jan. 1st to January 24 ... 6·226
Total Rainfall from Jan. 1st to
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | W'r | Mx | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 83 | 60 | 0 |
| T'nt'field | g | 79 | [illegible] | 0 |
| Moree .. | b | 95 | — | 0 |
| Grafton.. | [illegible] | 81 | [illegible] | 2·27 |
| Gl'n. Inn's | [illegible] | [illegible] | [illegible] | [illegible] |
| Inverell.. | c | [illegible] | [illegible] | [illegible] |
| Bourke .. | [illegible] | 101 | 72 | [illegible] |
| Narrabri. | g | [illegible] | 72 | 0 |
| Armidale. | [illegible] | [illegible] | [illegible] | 0 |
| Bendem'r | [illegible] | 75 | [illegible] | 0 |
| Gunnedah | [illegible] | [illegible] | [illegible] | [illegible] |
| C'rinda'e. | [illegible] | [illegible] | [illegible] | [illegible] |
| Tamw'rth | b | 98 | 58 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Muswel'b'k | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Merriwa | [illegible] | [illegible] | [illegible] | [illegible] |
| Mudgee .. | [illegible] | [illegible] | [illegible] | [illegible] |
| Maitland | b | 79 | [illegible] | [illegible] |
| H'r. End. | — | — | — | — |
| Newcastle | [illegible] | 7[illegible] | [illegible] | [illegible] |
| Orange . | [illegible] | [illegible] | [illegible] | [illegible] |
| Bathurst | b | 78 | 55 | 0 |
| 28 70 Forbes | b | 92 | 60 | 0 |
| M.Vict'ria | b | 86 | 49 | 0 |
| Cond'b'in | b | 92 | 70 | 0 |
| Picton. .. | [illegible] | 72 | 56 | 0 |
| Carcoar.. | b | 75 | [illegible] | 0 |
| Wentw'th | b | 89 | 62 | 0 |
| Young .. | b | 89 | 56 | 0 |
| Woll'g'ng | [illegible] | 7[illegible] | 57 | 0·62 |
| Hay..... | b | 91 | 59 | 0 |
| Moss Vale | [illegible] | [illegible] | 53 | 0·59 |
| Euston .. | b | 92 | 53 | 0 |
| Goulburn . | p | 72 | 53 | 0·08 |
| Wagga .. | b | 88 | 51 | 0 |
| Cape Geo. | b | 69 | 42 | 0·07 |
| Queanb'n | c | 70 | 57 | 0 |
| Deniliq'n | b | 91 | 57 | 0 |
| Moruya .. | b | 74 | 59 | 0·06 |
| Kiandia | g | 52 | 10 | 0 |
| Alb'ry | b | 85 | 52 | 0 |
| B'd'lla | p | — | 56 | 0·45 |
| Cooma | g | 78 | 49 | 0·03 |
| Eden | b | 78 | 61 | 0·14 |
| Gabo | . | — | — | — |

*Curve showing state of Barometer.*

Calm, [illegible] Tutoring, [illegible] wind S., [illegible] wind W. [illegible] without the arrow [illegible] heavy, very heavy.

| Mil's | WIND SCALE. |
|---|---|
| 13 | Lit'le |
| 23 | Mod. |
| 34 | Fresh |
| 56 | Strong gale |
| 65 | Whole |

**WEATHER.**
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
[illegible]
o-Overcast
p-Passing show'rs
[illegible]
[illegible]
t-Thunder
[illegible]

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

WEATHER MAP.
COMPILED from TELEGRAMS
with Notes to 3 P.M.
Sydney Observatory.
Curve showing state of Barometer.
WEATHER.
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
g-Gloomy, dull
h-Hail
l-Lightning
o-Overcast
WIND SCALE.
TIME BALL
sea smooth.
28 29·88 R 84
0 29·73F 81
0 29·78 F 72
Hill End
Newcast'e b 89 58 0·01
Orange g 80 54 0
Bathurst g 82 52 0
Cond'b'in g 85 72 0
Wentw'th b 97 62 0
Woll'g'ng b 78 55 0·10
Deniliq'n b 96 65 0
Moruya b 75 67 0
Kiandia c 64 9 0
Cooma c 85 48 0·09
Eden b 80 67 0
Gabo
shipping news.
H.C.RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., JAN. 26 1883 with NOTES to 3 P.M.

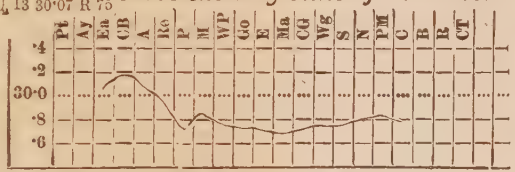
Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 39·61s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to ..... .
Total Rainfall from Jan. 1st to January 26 6·513
Barometers corrected to 32° Fah. and Mean Sea Level

## Curve showing state of Barometer.

13 30·07 R 75




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

0 29·80 E 91

FINE GENERALLY.
SYDNEY b 75 64 Rain 0·000

28 29·95 F 66
28 29·88 R 73
0 29·82 R 72

| Stations. | wt | m'x | v | R'in |
|---|---|---|---|---|
| Casino .. | . | — | — | — |
| T'nt'rfield | . | — | — | — |
| Moree .. | b | 92 | — | 0 |
| Grafton.. | o | — | — | — |
| Gl'n Inn's | b | 79 | 49 | 0·44 |
| Inverell.. | b | 89 | 54 | 0 25 |
| Bourke .. | b | 93 | 72 | 0 |
| Narrabri: | b | 92 | 41 | 0 |
| Armidale: | b | 77 | — | 0·16 |
| Bendem'r | b | 79 | 42 | 0 |
| Gunned'h | b | 89 | 65 | 0 |
| C'n'mble . | b | 90 | 62 | 0 |
| Tamw'rth | b | 96 | 58 | 0·24 |
| Coonab'n | b | 93 | 48 | 0·24 |
| F.M'cqrie | b | 78 | 63 | 0·65 |
| W'lcannia | b | — | — | — |
| Murr'ndi | o | 75 | 57 | 0 |
| Cassilis .. | b | 77 | 69 | 0 |
| Mus'br'ok | b | 81 | 50 | 0 |
| Dubbo .. | b | 86 | 64 | 0 |
| Menindie | b | 94 | 70 | 0 |
| Mudgee.. | b | 78 | 54 | 0 |
| Maitland | b | 83 | 63 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | b | 80 | 63 | 0 |
| Orange . | b | 77 | 56 | 0 |
| Bathurs' | b | 78 | 50 | 0 |
| 8 73 | | | | |
| Forbs | b | 90 | 61 | 0 |
| M.Vict'ria | b | 73 | 54 | 0 |
| Cond'b'in | b | 90 | 78 | 0 |
| Picton. .. | b | 80 | 59 | 0·03 |
| Carcoar.. | b | 70 | 69 | 0 |
| Wentw'th | b | 92 | 60 | 0 |
| Young .. | b | 84 | 59 | 0 |
| Woll'g'ng | b | 80 | 55 | 0 |
| Hay..... | c | 95 | 58 | 0 |
| Moss Vale | o | 77 | 58 | 0 |
| Euston .. | b | 95 | 56 | 0 |
| Goulburn | b | 81 | 53 | 0 |
| Wagga .. | c | 91 | 58 | 0 |
| Cape Geo. | b | 74 | 45 | 0 |
| Queanb'n | b | 81 | 58 | 0 |
| Deniliq'n | b | 99 | 65 | 0 |
| Moruya .. | b | 76 | 68 | 0·25 |
| Kiandra | g | 74 | 61 | 0 |

| | | | | |
|---|---|---|---|---|
| Albury | g | 90 | 63 | 0 |
| B'd'lla | b | — | 52 | 0·26 |
| Cooma | c | 76 | 47 | 0·15 |
| Eden | b | 74 | 61 | 0·14 |
| Gabo | . | — | — | — |

**WEATHER.**
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q Squally
r-Rain
t-Thunder
u-Threatening

WIND M'ts SCALE.
13-Lt brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

**TIME BALL**
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

R 14 80
PM 14 77
N 4 76
S 0 74
W 0 76
CG 14 71
Ma 14 69
E 14 74
Go 23 66
WP 23 66
CO 18 56
M 23 64
P 28 61
Re 23 62
A 12 59

Barometers risen about 0·08 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 27 1883 with NOTES to 3 P.M.**

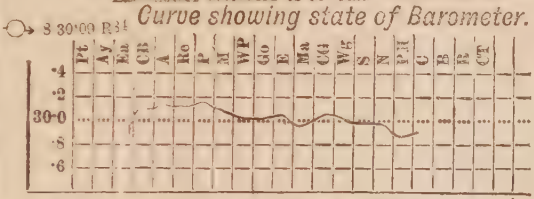
Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50 81s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 65 years from Jan. 1st to
Total Rainfall from Jan. 1st to
Barometers corrected to 32° Fah.

January 27 6·733
and Mean Sea Level

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow-sea smooth. heavy. very heavy.

| Stations. | wt | M'x | Vc | R'in |
|---|---|---|---|---|
| Casino .. | b | 91 | 67 | 0 |
| T'nt'rfield | . | — | — | — |
| Moree .. | g | 97 | — | 0 |
| Grafton .. | b | 86 | 62 | 0 |
| Gl'n Inn's | b | 81 | 49 | 0 |
| Inverell .. | b | 89 | 57 | 0 |
| Bourke .. | b | 106 | 78 | 0 |
| Narrabri . | g | 104 | 58 | 0 |
| Armidale. | . | — | — | — |
| Bendem r | g | 82 | 43 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble . | c | 98 | 61 | 0·13 |
| Tamw'rth | c | 93 | 64 | 0 |
| Coonab'n | q | 93 | 46 | 0·04 |
| F.M'cqrie | b | 83 | 67 | 0 |
| W'lcannia | . | — | — | — |
| Murrundi | g | 85 | 67 | 0 |
| Cassilis .. | p | [illegible] | 55 | 0 |
| Mus'br'ok | p | 100 | 60 | 0 |
| Dubbo .. | g | 92 | 64 | 0 |
| Menindie | b | 87 | 64 | 0 |
| Mudgee .. | g | 92 | 62 | 0 |
| Maitland | r | 93 | 64 | 0 |
| Hill End . | . | — | — | — |
| Newcast'e | g | 83 | 68 | 0 |
| Orange . | g | 82 | 59 | 0 |
| Bathurst | g | 87 | 58 | 0·09 |
| 23 87 | | | | |
| Forbs | b | 93 | 60 | 0 |
| M.Vict'ria | g | 89 | 54 | 0·15 |
| Cond'b'in | b | 87 | 72 | 0 |
| Picton. .. | g | 82 | 62 | 0·18 |
| Carcoar.. | g | 83 | 58 | 0 |
| Wentw'th | b | 82 | 57 | 0 |
| Young .. | b | 98 | 56 | 0 |
| Well'g'ng | d | 83 | 63 | 0·03 |
| Hay..... | b | 85 | 55 | 0 |
| Moss Vale | r | 83 | 57 | 0·01 |
| Euston .. | b | 86 | 50 | 0 |
| Goulburn | g | 89 | 57 | 0 |
| Wagga .. | b | 95 | 49 | 0 |
| Cape Geo. | c | 69 | 50 | 0 |
| Queanb'n | b | 85 | 61 | 0 |
| Deniliq'n | b | 87 | 54 | 0 |
| Moruya .. | g | 78 | 61 | 0·06 |
| Kiandra | c | 74 | 9 | 0 |

| | | | | |
|---|---|---|---|---|
| Alb ry | b | 90 | 55 | 0 |
| B'd'lla | b | — | 52 | 0·26 |
| Cooma | g | 83 | 51 | 0·03 |
| Eden | b | 74 | 56 | 0·23 |
| Gabo | . | — | — | — |

WEATHER.
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
i-Lightning
j-Misty
k-Frost
l-Passing show'rs
o-Squally
r-Rain
t-Thunder
u-Threatening

MI's WIND SEA S.
13-Lit'l breeze
23-Mod. ,,
34-Fresh ,,
50-Strong ,,
65-Whole ,,

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·25 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 28 1883 with Notes to 3 P.M.**

**Sydney Observatory.**

**Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.**

**Average Annual Rainfall for 24 years** ..... 50·640.

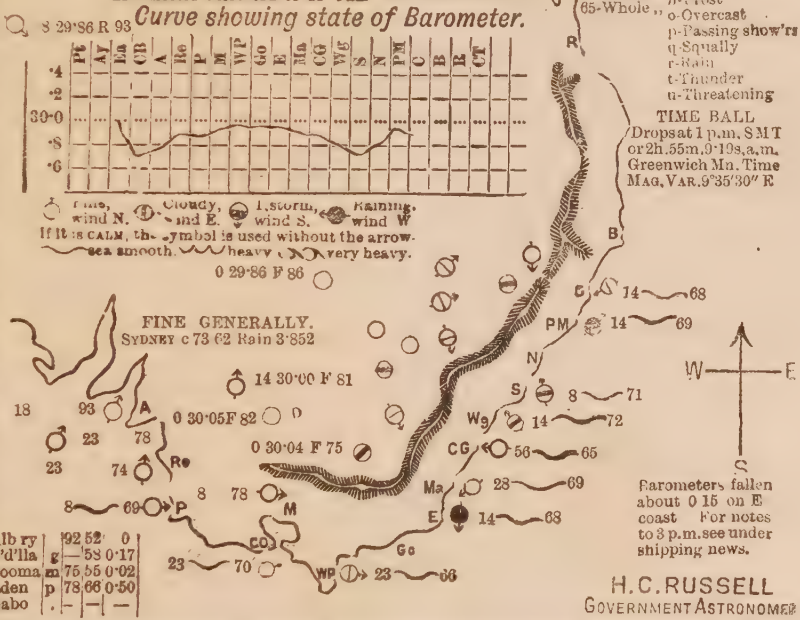
**Average for 25 years from Jan. 1st to** January 28 10·485

**Total Rainfall from Jan. 1st to** and Mean Sea Level

**Barometers corrected to 32° Fah.**

| Stations. | wt | M'x | V'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 92 | 60 | 1·20 |
| T'nt'rfield | g | 74 | 55 | 0·54 |
| Moree .. | g | 95 | — | 0 |
| Grafton.. | g | 85 | 63 | 1·00 |
| Gl'n Inn's | g | 85 | 49 | 0·72 |
| Inverell.. | q | 89 | 52 | 0·21 |
| Bourke .. | b | 99 | 65 | 0 |
| Narrabri: | g | 105 | 56 | 0 |
| Armidale: | r | 90 | — | 0·67 |
| Bendem'r | g | 73 | 40 | 0·11 |
| Gunned'h | r | 81 | 61 | 0 |
| C'n'mble. | b | 90 | 58 | 0 |
| Tamw'rth | q | 88 | 56 | 0·06 |
| Coonab'n | g | 82 | 53 | 0 |
| P.M'cqrie | p | 80 | 64 | 0·43 |
| W'icannia. | . | — | — | — |
| Murr'ndi | c | 78 | 60 | 0·15 |
| Cassilis .. | c | 80 | 56 | 0 |
| Mus'br'ok | b | 80 | 51 | 0·30 |
| Dubbo .. | g | 89 | 67 | 0 |
| Menindie | b | 94 | 61 | 0 |
| Mudgee.. | g | 90 | 57 | 0 |
| Maitland | b | 81 | 61 | 0·84 |
| Hill End . | g | — | — | 0·22 |
| Newcast'e | . | — | — | — |
| Orange . | b | 68 | 55 | 0·09 |
| Bathurst | c | 82 | 56 | 0·49 |
| 34 66 Forbs | b | 92 | 60 | 0 |
| M.Vict'ria | b | 68 | 50 | 2·50 |
| Cond'b'in | g | 78 | 71 | 0 |
| Picton. .. | b | 67 | 59 | 1·30 |
| Carcoar.. | b | 78 | 65 | 0·05 |
| Wentw'th | b | 97 | 72 | 0 |
| Young .. | g | 84 | 61 | 0 |
| Woll'g'ng | g | 74 | 59 | 3·60 |
| Hay..... | b | 92 | 60 | 0 |
| Moss Vale | c | 65 | 55 | 4·16 |
| Euston .. | b | 96 | 59 | 0 |
| Goulburn | g | 60 | 52 | 0·83 |
| Wagga .. | c | 89 | 53 | 0 |
| Cape Geo. | b | 70 | 47 | 2·04 |
| Queanb'n | g | 78 | 57 | 0 |
| Deniliq'n | b | 96 | 61 | 0 |
| Moruya .. | b | 73 | 61 | 0 |
| Kiandra | r | 57 | 10 | 0·35 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | | 92 | 52 | 0 |
| B'd'lla | g | — | 58 | 0·17 |
| Cooma | m | 75 | 55 | 0·02 |
| Eden | p | 78 | 66 | 0·50 |
| Gabo | . | — | — | — |



30th

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., JAN. 29 1883, with Notes to 3 P.M.**

**Sydney Observatory.**

*Lat. 33° 51' 41" S.; Long. 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years . . . . . . . . . 50·640.
Average for 25 years from Jan. 1st to January 29 10·487
Total Rainfall from Jan. 1st to
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 91 | 67 | 0 |
| T'nt'rfield | g | 92 | 58 | 0·27 |
| Moree .. | b | 94 | — | 0 |
| Grafton.. | [illegible] | 82 | [illegible] | 0·[illegible]3 |
| Gl'n Inn.. | g | [illegible] | [illegible] | 0·04 |
| Inverell .. | b | 82 | [illegible] | 0 |
| Bourke .. | b | 102 | [illegible] | 0 |
| Narrabri. | [illegible] | [illegible] | [illegible] | 0 |
| Armidale. | [illegible] | [illegible] | — | 0·[illegible]1 |
| Ben[illegible]r | [illegible] | [illegible] | 41 | [illegible]6 |
| Gunnedah | [illegible] | [illegible] | [illegible]4 | [illegible]22 |
| [illegible] | [illegible] | [illegible] | 58 | 0 |
| Tamworth | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0·24 |
| W'lcannia | c | — | — | — |
| Murr[illegible] | [illegible] | [illegible] | 63 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible]25 |
| Mus'br'ok | b | 81 | 60 | 0·21 |
| D[illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Menindie | b | 99 | 75 | 0 |
| Mudgee.. | [illegible] | [illegible] | [illegible] | 0 |
| Maitland | b | 80 | 60 | 0 |
| H.. End . | [illegible] | | — | — |
| Newcast'e | b | 79 | 61 | 0 |
| Orange . | o | 79 | 53 | 0 |
| Bathurst | b | 81 | 55 | 0 |
| Forbes | [illegible] | 92 | [illegible] | 0 |
| M. Vict'ria | b | 74 | [illegible] | 0·05 |
| Cond'b'ln | g | 75 | [illegible] | 0 |
| [illegible]ton. .. | [illegible] | [illegible] | [illegible] | [illegible] |
| Carcoar.. | b | [illegible] | [illegible] | 0 |
| Wentw'th | c | 10[illegible] | [illegible] | 0 |
| Young .. | g | 87 | 59 | 0 |
| Woll'g'ng | b | 81 | 6[illegible] | 0 |
| Hay...... | g | 96 | 60 | 0 |
| Moss Vale | o | 73 | 58 | 0 |
| Euston .. | c | 103 | 65 | 0 |
| Goulburn | b | 75 | 55 | 0·02 |
| Wagga .. | b | 9[illegible] | 59 | 0 |
| Cape Geo. | b | 75 | 47 | 0 |
| Queanb'n | b | 75 | 59 | 0 |
| Deniliq'n | g | 99 | 70 | 0 |
| Moruya .. | o | 76 | 61 | 0 |
| Kiandra | b | 81 | 13 | 0·29 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | b | 95 | 63 | 0·29 |
| B'd'lla | b | — | 58 | 0 |
| Cooma | b | 85 | 49 | 0 |
| Eden | . | — | - | — |
| Gabo | . | - | — | — |

## Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T'storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth, heavy, very heavy.

**MI's WIND SCALE.**
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

**WEATHER.**
b-Blue sky .
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35'30" E

Barometers fallen about 0 10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M.,** JAN. 31 1883. **with Notes to 3 P.M.**

**Sydney Observatory.**

***Lat. 33° 51' 41" S. ; Long. 10h. 4m. 50 Sec. E.***

**Average Annual Rainfall for** 24 **years** . . . . . . . . . . 50·640.
**Average for** 25 **years from Jan. 1st to** . January 31 10·489
**Total Rainfall from Jan. 1st to**
**Barometers corrected to 32° Fah.** and Mean Sea Level

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 96 | 69 | 0 |
| T'nt'rfield. | . | — | — | — |
| Moree .. | b | 99 | — | 0 |
| Grafton.. | b | 94 | 73 | 0 |
| Gl'n Inn's | h | 82 | 61 | 0 |
| Inverell.. | b | 81 | 63 | 0 |
| Bourke .. | b | 111 | 79 | 0 |
| Narrabri : | g | 100 | 42 | 0 |
| Armidale. | . | — | – | — |
| Bendem'r. | b | 85 | 52 | 0 |
| Gunned'h. | . | — | — | — |
| C'n'mble . | b | 103 | 67 | 0 |
| Tamw'rth | b | 102 | 70 | 0 |
| Coonab'n | b | 95 | 60 | 0 |
| P.M'cqrie | b | 84 | 72 | 0 |
| W'lcannia. | c | — | — | — |
| Murr'ndi | b | 86 | 68 | 0 |
| Cassilis .. | b | 80 | 57 | 0·44 |
| Mus'br'ok | b | 91 | 60 | 0 |
| Dubbo .. | g | 92 | 75 | 0 |
| Menindie | b | 66 | 86 | 0 |
| Mudgee.. | g | 92 | 64 | 0 |
| Maitland | g | 92 | 70 | 0 |
| Hill End . | b | — | — | — |
| Newcast'e | c | 86 | 64 | 0 |
| Orange . | c | 84 | 60 | 0 |
| Bathurst | g | 85 | 50 | 0 |
| Forbs | o | 93 | 58 | 0 |
| M.Vict'ria | g | 82 | 50 | 0 |
| Cond'b'in | g | 83 | 72 | 0 |
| Picton. .. | g | 82 | 61 | 0 |
| Carcoar.. | g | 81 | 71 | 0 |
| Wentw'th | b | 171 | 56 | 0 |
| Young .. | b | 96 | 64 | 0 |
| Woll'g'ng | r | 84 | 63 | 0·10 |
| Hay...... | o | 87 | 50 | 0 |
| Moss Vale | r | 82 | 60 | 0 |
| Euston .. | b | 183 | 51 | 0 |
| Goulburn | g | 85 | 60 | 0 |
| Wagga .. | b | 96 | 55 | 0 |
| Cape Geo. | c | 84 | 45 | 0·05 |
| Queanb'n | g | 85 | 6[illegible] | 0 |
| Deniliq'n | b | 90 | 53 | 0 |
| Moruya .. | r | 81 | 61 | 0 |
| Kiandra | c | 77 | 11 | 0·42 |
| Alb ry | b | 96 | 54 | 0 |
| B'd'lla | g | — | 58 | 0·07 |
| Cooma | g | 86 | 52 | 0 |
| Eden | g | | | 0·08 |
| Gabo | . | – | – | — |

**WIND SCALE.** M'ls
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

**WEATHER.**
b-Blue sky .
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Dropsat 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG.VAR.9°35'30" E

Barometers risen about 0 10 on E coast For notes to 3 p.m. see under shipping news.

H.C.RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEBR Y. 1 1883, with Noons to 8 P.M.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·61s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to January 31 ..... 3·645
Total Rainfall from Jan. 1st to Februa 1 ..... 0·489
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | m'x | vp | R'in |
|---|---|---|---|---|
| Casino .. | b | 100 | 70 | 0·18 |
| T'nt'rfield | g | 92 | 62 | 0·90 |
| Moree . | b | 103 | — | 0 |
| Grafton. | c | 95 | 69 | 0·92 |
| Gl'n Inn's | b | 82 | 58 | 0 |
| Inverell .. | . | — | — | — |
| Bourke .. | g | 107 | 85 | 0 |
| Narrabri . | b | 108 | 60 | 0 |
| Armidale. | b | 84 | - | 0·19 |
| Bendem'r | c | 90 | 51 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble . | b | 98 | 65 | 0 |
| Tamw'rth | c | 103 | 72 | 0 |
| Coonab'n | g | 99 | 67 | 0 |
| F.M'cqrie | . | — | — | — |
| W'lcannia | g | — | — | 0 |
| Murr'ndi | g | 88 | 68 | 0 |
| Cassilis .. | g | 89 | 68 | 0 |
| Mus'br'ok | g | 90 | 31 | 0 |
| Dubbo .. | g | 90 | 71 | 0 |
| Menindie | b | 87 | 66 | 0 |
| Mudgee.. | g | 95 | 66 | 0 |
| Maitland | c | 92 | 70 | 0·07 |
| Hill End . | g | — | — | — |
| Newcast'e | c | 85 | 69 | 0·04 |
| Orange . | g | 83 | 61 | 0 |
| Bathurst | g | 86 | 61 | 0 |
| 13 68 Forbs | g | 95 | 60 | 0 |
| M.Vict'ria | g | 68 | 55 | 0·07 |
| Cond'b'in | g | 83 | 72 | 0 |
| Picton. .. | d | 69 | 63 | 0·16 |
| Carcoar.. | g | 82 | 64 | 0 |
| Wentw'th | c | 86 | 61 | 0 |
| Young .. | g | 96 | 60 | 0 |
| Woll'g'ng | r | 69 | 60 | 0·35 |
| Hay..... | g | 83 | 60 | 0 |
| Moss Vale | . | — | — | — |
| Euston .. | b | 88 | 48 | 0 |
| Goulburn | g | 67 | 55 | 0·01 |
| Wagga .. | b | 89 | 55 | 0 |
| Cape Geo. | r | 67 | 47 | 0·07 |
| Queanb'n | g | 76 | 61 | 0 |
| Deniliq'n | b | 87 | 54 | 0 |
| Moruya . | g | 72 | 61 | 0 |
| Kiandra | c | 70 | 11 | 0 |

| | | | | |
|---|---|---|---|---|
| Alb'ry | b | 93 | 50 | 0 |
| B'd'lla | g | — | 59 | 0 |
| Cooma | g | 80 | 53 | 0 |
| Eden | g | 72 | 62 | 0 |
| Gabo | . | — | — | — |

*Curve showing state of Barometer.*

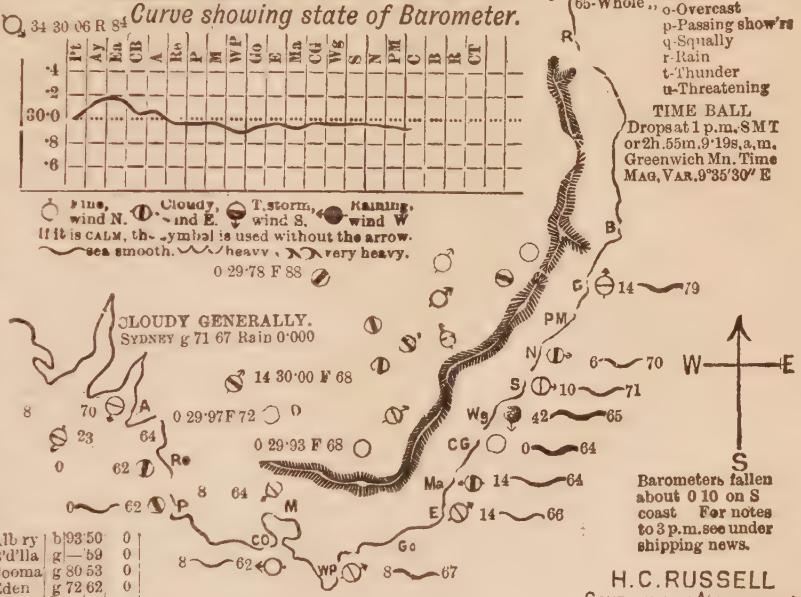
34 30 06 R 84




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy. very heavy.




WEATHER.
b-Blue sky
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

Ml's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0 10 on S coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 2 1883, with Hours to 3 P.M.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·61s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to Februa 2 10·869
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | m'x | v'n | r'in |
|---|---|---|---|---|
| Fasino .. | d | 95 68 | | 1·35 |
| T'nt'rfield | g | 90 52 | | 0·51 |
| Moree .. | g | 97 — | | 0·46 |
| Grafton. | g | 90 70 | | 0·36 |
| Gl'n Inn's | c | 91 58 | | 1·76 |
| Inverell .. | b | 83 57 | | 0·54 |
| Bourke .. | b | 100 72 | | 0 |
| Narrabri. | b | 103 52 | | 0·50 |
| Armidale. | . | — — | | — |
| Bendem'r | r | 87 48 | | 1·19 |
| Gunned'h | . | — — | | — |
| C'n'mble. | b | 95 60 | | 0 |
| Tamw'rth | b | 101 64 | | 1·12 |
| Coonab'n | b | 97 61 | | 2·23 |
| F.M'cqrie | . | — — | | — |
| W'lcannia | . | — — | | — |
| Murr'ndi | c | 84 62 | | 4·50 |
| Cassilis .. | b | 83 65 | | 2·01 |
| Mus'br'ok | r | 90 31 | | 1·20 |
| Dubbo .. | b | 90 76 | | 0 |
| Menindie | . | — — | | — |
| Mudgee.. | b | 89 59 | | 0·70 |
| Maitland | c | 80 62 | | 1·06 |
| Hill End . | . | — — | | — |
| Newcast'e | p | 76 68 | | 0·82 |
| Orange . | b | 78 55 | | 0·38 |
| Bathurst | b | 80 54 | | 0·47 |
| 18 72 Forbs | b | 97 61 | | 0 |
| M.Vict'ria | b | 71 53 | | 0·28 |
| Cond'b'in | b | 85 72 | | 0 |
| Picton. .. | b | 74 62 | | 0·03 |
| Carcoar.. | b | 77 65 | | 0 |
| Wentw'th | . | — — | | — |
| Young .. | b | 91 55 | | 0 |
| Woll'g'ng | b | 75 60 | | 0 |
| Hay..... | b | 90 56 | | 0·08 |
| Moss Vale | r | 65 54 | | 0·45 |
| Euston .. | b | 91 52 | | 0 |
| Goulburn | b | 73 52 | | 0·71 |
| Wagga .. | b | 93 51 | | 0 |
| Cape Geo. | c | 70 47 | | 0·55 |
| Queanb'n | b | 74 52 | | 0·40 |
| Deniliq'n | b | 90 65 | | 0 |
| Moruya . | p | 74 59 | | 0·99 |
| Kiandra | r | 57 5 | | 0·07 |

| | | | |
|---|---|---|---|
| Albury | g | 84 53 | 0·75 |
| B'd'lla | g | — 57 | 1·48 |
| Cooma | m | 80 51 | 0 45 |
| Eden | r | 71 61 | 0·20 |
| Gabo | . | — — | — |

34 30 05 R 82 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow. sea smooth. heavy. very heavy.

28 29·77 F 85

CLOUDY GENERALLY.
SYDNEY g 73 65 Rain 0·380

14 29·89 F 71

— 29·33 S 65

Mil's WIND SCALE.
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

WEATHER.
b-Blue sky.
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0 20 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

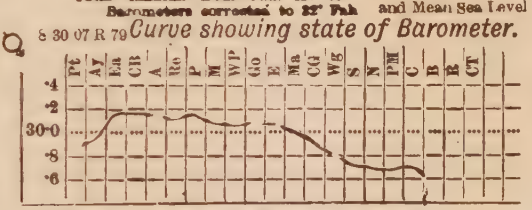
# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., : FEB. 3 1883 with Reports to 8 A.M.

Sydney Observatory.

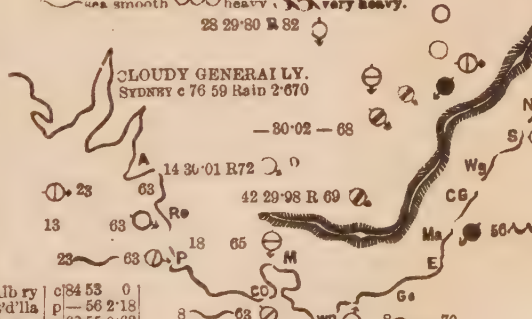
*Lat. 33° 51′ 43″ S. ; Long. 10h. 4m. 59·61s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to January 31 ·3·645
Total Rainfall from Jan. 1rt to Februa 3 13·539
Barometers corrected to 32° Fah and Mean Sea Level




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

| Stations. | wt | b't'x | v | R'in |
|---|---|---|---|---|
| Casino .. | c | 94 63 | 0 | 0·60 |
| Ft'nt'rfield | b | 82 61 | 0 | 0·15 |
| Moree .. | b | 89 — | 0 | 0·11 |
| Grafton. | b | 81 61 | 0 | 0·42 |
| Gl'n Inn's | n | 76 46 | 0 | 0·08 |
| Inverell .. | b | 82 56 | 0 | 0·34 |
| Bourke .. | b | 96 70 | | 0 |
| Narrabri. | b | 95 48 | | 0 |
| Armidale. | . | — — | | — |
| Bendem'r | c | 78 41 | | u |
| Gunned'h | b | 89 55 | | 0 |
| C'n'mble. | . | — — | | — |
| Tamw'rth | c | 88 58 | 0 | 0·10 |
| Coonab'n | b | 85 56 | | 0 |
| F.M'cqrie | c | 79 63 | | 0 |
| W'lcannia | . | — — | | — |
| Murr'ndi | u | 77 61 | 0 | 0·12 |
| Cassilis .. | c | 80 64 | | 0 |
| Mus'br'ok | u | 90 31 | 0 | 0·64 |
| Dubbo .. | b | 87 65 | | 0 |
| Menindie | b | 83 67 | | 0 |
| Mudgee.. | u | 83 59 | | 0 |
| Maitland | p | 79 60 | 1 | 0·05 |
| Hill End . | b | . — | | 0 |
| Newcast'e | c | 78 58 | 0 | 0·68 |
| Orange . | c | 74 53 | | 0 |
| Bathurst | u | 75 54 | 0 | 0·12 |
| 18 72 Forbs | b | 95 59 | | 0 |
| M.Vict'ria | p | 70 47 | 2 | 0·40 |
| Cond'b'in | c | 80 76 | | 0 |
| Picton. .. | u | 76 57 | 1 | 0·22 |
| Carcoar.. | . | — — | | — |
| Wentw'th | b | 84 59 | | 0 |
| Young .. | u | 92 58 | | 0 |
| Woll'g'ng | . | — — | | — |
| Hay..... | b | 86 56 | | 0 |
| Moss Vale | r | 68 52 | 4 | 0·16 |
| Euston .. | b | 88 55 | | 0 |
| Goulburn | p | 68 51 | 1 | 0·14 |
| Wagga .. | b | 79 53 | | 0 |
| Cape Geo. | . | — — | | — |
| Queanb'n | c | 64 57 | 0 | 0·40 |
| Deniliq'n | b | 90 55 | | 0 |
| Moruya .. | r | 68 58 | 1 | 0·50 |
| Kiandra | c | 55 7 | 0 | 0·58 |
| Albury | c | 84 53 | | 0 |
| B'd'lla | p | — 56 | 2 | 0·18 |
| Cooma | o | 62 55 | 0 | 0·62 |
| Eden | . | — — | | — |
| Gabo | . | — — | | — |




WIND SCALE.
1-Li't brze
2-Mod. ,,
3-Fresh ,,
5-Strg gale
6-Whole ,,

WEATHER.
b-Blue sky .
c-Scatter'd cloud
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s,a,m, Greenwich Mn. Time
MAG, VAR, 9°35′30″ E

Barometers fallen about 0·04 on E. coast For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., FEB. 5 1883 with Notes to 3 P.M.**

**Sydney Observatory.**

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·8s. E*

Average Annual Rainfall for 24 years .... ... 50·640.
Average for 25 years from Jan. 1st to January 31 –3·645
Total Rainfall from Jan. 1st to February 5 13·864
Barometers corrected to 32° Fah and Mean Sea Level

| Stations. | wt | m'x | m'n | R'fn |
|---|---|---|---|---|
| Casino .. | b | 90 | 63 | 0 |
| T'nt'rfield | g | 84 | 54 | 0·11 |
| Moree | b | 90 | — | 0 |
| Grafton. | r | 88 | 68 | 0 |
| Gl'n Inn's | . | — | — | — |
| Inverell .. | b | 86 | 63 | 0 |
| Bourke .. | b | 93 | 69 | 0 |
| Narrabri . | b | 90 | 45 | 0 |
| Armidale. | . | — | — | — |
| Bendem'r | g | 76 | 40 | 0·01 |
| Gunnedah | c | 87 | 63 | 0 |
| C'n'mble . | b | 85 | 59 | 0 |
| Tamw'rth | c | 85 | 59 | 0 |
| Coonab'n | b | 79 | 58 | 0 |
| P.M'cqrie | q | 80 | 66 | 0·03 |
| W'lcannia | . | — | — | — |
| Murr'undi | g | 69 | 58 | 0·20 |
| Cassilis .. | c | 84 | 76 | 0 |
| Mus'br'ok | d- | 76 | 60 | 0·43 |
| Dubbo .. | b | 84 | 65 | 0 |
| Menindie | b | 90 | 68 | 0 |
| Mudgee.. | b | 85 | 54 | 0 |
| Maitland | g | 71 | 59 | 0·21 |
| Hill End . | g | | — | 0 |
| Newcast'e | q | 75 | 64 | 1·50 |
| Orange . | c | 68 | 53 | 0 |
| Bathurst | g | 69 | 54 | 0·05 |
| Forbes | b | 90 | 59 | 0 |
| M.Vict'ria | p | 56 | 43 | 2·50 |
| Cond'b'in | b | 87 | 71 | 0 |
| Picton. | u | 69 | 35 | 1·86 |
| Carcoar.. | b | 70 | 55 | 0·05 |
| Wentw'th | b | 91 | 64 | 0 |
| Young | b | 89 | 55 | 0 |
| Woll'g'ng | p | 69 | 57 | 0·74 |
| Hay..... | b | 92 | 57 | 0 |
| Moss Vale | r | 66 | 51 | 0·40 |
| Euston . | b | 95 | 58 | 0 |
| Goulburn | g | 66 | 54 | 0·09 |
| Wagga .. | b | 90 | 48 | 0 |
| Cape Geo. | . | — | — | — |
| Queanb'n | g | 74 | 50 | 0 |
| Deniliq'n | b | 94 | 51 | 0 |
| Moruya .. | c | 71 | 67 | 0 |
| Kiandra | . | — | — | — |
| Alb'ry | b | 87 | 54 | 0 |
| B'd'lla | g | — | 54 | 0·15 |
| Cooma | c | 69 | 47 | 0 |
| Eden | g | 71 | 61 | 0·01 |
| Gabo | . | — | — | — |

**WEATHER.**
b-Blue sky
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

WIND SCALE. (Mil's)
13-Li't brze
23-Mod. ,,
34-Fresh ,,
56-Strg gale
65-Whole ,,

*Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 30 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 6 1883 with Notes to 3 P.M.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10h. 4m. 50·61s. *E*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to January 31 –3·645
Total Rainfall from Jan. 1st to Februa 6 14·944
Barometers corrected to 32° Fah and Mean Sea Level

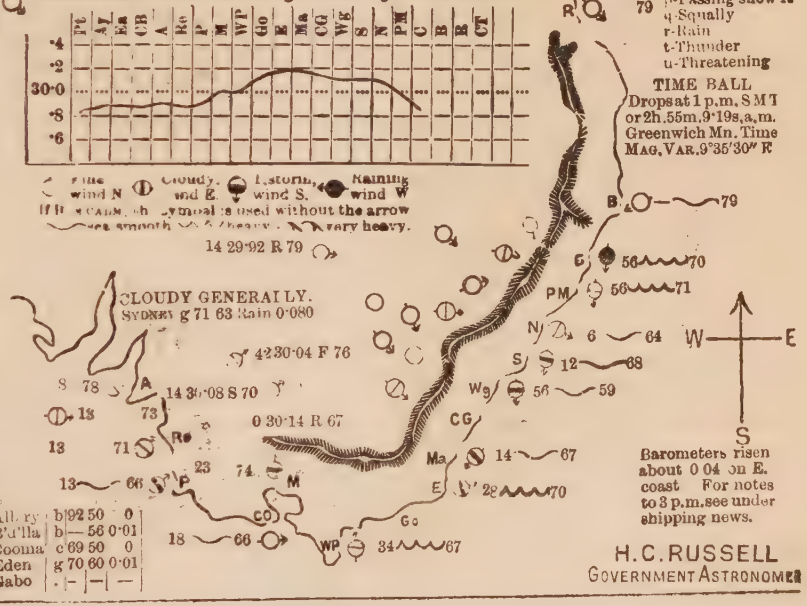
| Stations. | wt | M | W | R'in |
|---|---|---|---|---|
| Casino .. | b | 84 | 64 | 0·77 |
| T'nt'rfield | g | 74 | 59 | 0·06 |
| Moree .. | b | 90 | — | 0 |
| Grafton. | b | 79 | 69 | 0·39 |
| Gl'n Inn's | b | 74 | 56 | 0 |
| Inverell .. | b | 81 | 50 | 0 |
| Bourke .. | b | 95 | 70 | 0 |
| Narrabri. | b | 95 | 48 | 0 |
| Armidale. | g | 69 | — | 0 |
| Bendem'r | g | 73 | 44 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble. | b | 86 | 56 | 0 |
| Tamw'rth | b | 82 | 59 | 0 |
| Coonab'n | b | 78 | 55 | 0 |
| P.M'cqrie | q | 74 | 65 | 2·12 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 67 | 54 | 0 |
| Cassilis .. | g | 76 | 64 | 0 |
| Mus'b'r'ok | g | 70 | 60 | 0·11 |
| Dubbo .. | b | 86 | 63 | 0 |
| Menindie | g | 82 | 74 | 0 |
| Mudgee .. | g | 82 | 55 | 0 |
| Maitland | g | 69 | 64 | 0·15 |
| Hill End . | b | . | — | 0 |
| Newcast'e | c | 73 | 49 | 0·13 |
| Orange . | b | 70 | 50 | 0 |
| Bathurst | g | 70 | 54 | 0 |
| S 74 | | | | |
| Forbs | b | 90 | 60 | 0 |
| M.Vict'ria | g | 58 | 43 | 0 |
| Cond'b'in | c | 87 | 73 | 0 |
| Picton. | u | 69 | 36 | 0 |
| Carcoar .. | b | 75 | 55 | 0 |
| Wentw'th | g | 100 | 74 | 0 |
| Young . | b | 79 | 53 | 0 |
| Woll'g'ng | c | 80 | 58 | 0·09 |
| Hay..... | c | 91 | 60 | 0 |
| Moss Vale | r | 59 | 52 | 0·21 |
| Euston . | g | 100 | 62 | 0 |
| Goulburn | b | 66 | 50 | 0 |
| Wagga .. | b | 86 | 66 | 0 |
| Cape Geo. | . | — | — | - |
| Queanb'n | g | 66 | 51 | 0 |
| Deniliq'n | b | 94 | 55 | 0 |
| Moruya . | g | 70 | 58 | 0·04 |
| Kiandra | c | 57 | 7 | 0 |

| | | | | |
|---|---|---|---|---|
| Albury | b | 92 | 50 | 0 |
| B'd'lla | b | — | 56 | 0·01 |
| Cooma | c | 69 | 50 | 0 |
| Eden | g | 70 | 60 | 0·01 |
| Gabo | . | — | — | — |

*Curve showing state of Barometer.*




Fine wind N. Cloudy, wind E. Lightning, wind S. Raining wind W.
If it is calm, the symbol is used without the arrow
sea smooth. heavy. very heavy.




**WEATHER.**
b-Blue sky.
c-Scatter'd clouds
d-Drizzling rain
f-Fog
g-Gloomy, dull
h-Hail
l-Lightning
m-Misty
n-Frost
o-Overcast
p-Passing show'rs
q-Squally
r-Rain
t-Thunder
u-Threatening

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 04 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., : FEB. 7 1883 with Notes to 8 P.M.

Sydney Observatory.

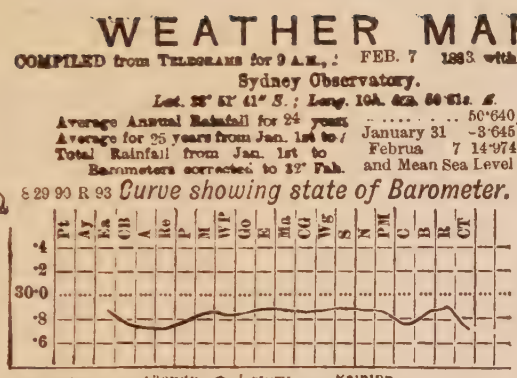
*Lat. 33° 51′ 41″ S. ; Long. 10h. 4m. 50·4s. E.*

Average Annual Rainfall for 24 years . . . . . 50·640
Average for 25 years from Jan. 1st to January 31 3·645
Total Rainfall from Jan. 1st to Februa 7 14·974
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | w'r | s | r'in |
|---|---|---|---|---|
| Casino .. | b | 84 | 54 | 0 |
| T'nt'rfield | b | 76 | 54 | 0 |
| Moree .. | o | 93 | — | 0 |
| Grafton.. | b | 81 | 60 | 0 |
| Gl'n Inn's | b | 73 | 45 | 0 |
| Inverell.. | b | 86 | 53 | 0 |
| Bourke .. | b | 93 | 73 | 0 |
| Narrabri: | g | 95 | 45 | 0 |
| Armidale. | b | 71 | — | 0 |
| Bendem'r | b | 72 | 38 | 0 |
| Gunned'h | b | 86 | 61 | 0 |
| C'n'mble. | b | 88 | 54 | 0 |
| Tamw'rth | b | 85 | 55 | 0 |
| Coonab'n | g | 82 | 45 | 0 |
| F.M'cqrie | b | 77 | 61 | 0 |
| W'lcannia | . | - | - | — |
| Murr'ndi | g | 73 | 59 | 0 |
| Cassilis .. | b | 75 | 58 | 0 |
| Mus'br'ok | b | 71 | 51 | 0 |
| Dubbo .. | g | 82 | 63 | 0 |
| Menindie | b | 95 | 72 | 0 |
| Mudgee.. | g | 84 | 55 | 0 |
| Maitland | g | 71 | 62 | 0·05 |
| Hill End . | b | - | - | 0 |
| Newcast'e | g | 75 | 66 | 0 |
| Orange . | b | 73 | 52 | 0 |
| Bathurst | g | 72 | 54 | 0 |
| Forbs | b | 87 | 60 | 0 |
| M, Vict'ria | g | 62 | 42 | 0·10 |
| Cond'b'in | g | 70 | 59 | 0 |
| Picton. .. | u | 73 | 32 | 0 |
| Carcoar.. | b | 72 | 35 | 0 |
| Wentw'th | b | 96 | 68 | 0 |
| Young .. | b | 84 | 55 | 0 |
| Woll'g'ng | c | 78 | 60 | 0 |
| Hay..... | b | 87 | 61 | 0 |
| Moss Vale | c | 65 | 52 | 0 |
| Euston .. | b | 93 | 59 | 0 |
| Goulburn | g | 72 | 53 | 0 |
| Wagga .. | b | 86 | 69 | 0 |
| Cape Geo. | g | 75 | 50 | 0 |
| Queanb'n | b | 71 | 49 | 0 |
| Deniliq'n | b | 92 | 60 | 0 |
| Moruya .. | g | 73 | — | 0 |
| Kiandra | g | 71 | 8 | 0 |

| | | | | |
|---|---|---|---|---|
| Albury | b | 89 | 54 | 0 |
| B'd'lla | b | — | 52 | 0 |
| Cooma | c | 76 | 45 | 0 |
| Eden | b | 77 | 60 | 0 |
| Gabo | . | - | — | — |

8 29 90 R 93 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

28 29·82 F 82

CLOUDY GENERALLY.
SYDNEY g 74 62 Rain 0·030

28 29·93 F 83

14 29·93F 79

0 29·97 F 68

81

TIME BALL
Drops at 1 p.m, S M T or 2h.55m,9·19s,a.m, Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·20 in E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 8 1883.

Sydney Observatory.

*Lat.* 33° 51′ 45″ S. ; *Long.* 10h. 4m. 50·81s. E.

Average Annual Rainfall for 24 years . . . . . 50·640

Average for 25 years from Jan. 1st to January 31 3·645

Total Rainfall from Jan. 1st to Februa 8 14·974

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | m'x | v'n | r'fn |
|---|---|---|---|---|
| Casino .. | b | 89 | 64 | 0 |
| Tent'rfield | g | 80 | 57 | 0 |
| Moree .. | b | 91 | — | 0 |
| Grafton .. | b | 86 | 70 | 0 |
| Gl n Inn's | g | 81 | 52 | 0 |
| Inverell .. | b | 86 | 73 | 0 |
| Bourke .. | b | 98 | 72 | 0 |
| Narrabri .. | b | 98 | 45 | 0 |
| Armidale .. | b | 73 | — | 0 |
| Bendem'r | c | 77 | 41 | 0 |
| Gunned'h | b | 85 | 56 | 0 |
| C'n'mble .. | b | 87 | 57 | 0 |
| Tamw'rth | b | 91 | 54 | 0 |
| Coonab'n | b | 82 | 45 | 0 |
| F. M'cquie | b | 76 | 34 | 0 |
| W'leannia | b | — | — | — |
| Murr'ndi | b | 73 | 55 | 0 |
| Cassilis .. | b | 76 | 53 | 0 |
| Mus'br'ok | b | 80 | 59 | 0 |
| Dubbo .. | b | 83 | 65 | 0 |
| Menindie | b | 101 | 76 | 0 |
| Mudgee .. | b | 85 | 52 | 0 |
| Maitland | b | 79 | 60 | 0 |
| Hill End .. | b | — | — | 0 |
| Newcast'e | b | 76 | 58 | 0 |
| Orange .. | b | 75 | 56 | 0 |
| Bathurst | b | 80 | 47 | 0 |
| 8 67 | | | | |
| Forbes .. | b | 89 | 56 | 0 |
| M.Vict'ria | b | 81 | 42 | 0 |
| Cond'b'in | b | 70 | 56 | 0 |
| Picton. .. | b | 76 | 36 | 0 |
| Carcoar .. | b | 85 | 54 | 0 |
| Wentw'th | b | 104 | 75 | 0 |
| Young .. | b | 93 | 52 | 0 |
| Woll'g'ng | b | 79 | 55 | 0 |
| Hay..... | r | 95 | 59 | 0 |
| Moss Vale | b | 69 | 49 | 0 |
| Euston .. | b | 103 | 70 | 0 |
| Goulburn | b | 78 | 48 | 0 |
| Wagga .. | b | 89 | 49 | 0 |
| Cape Geo. | b | 73 | 41 | 0 |
| Queanb'n | b | 76 | 56 | 0 |
| Deniliq'n | g | 91 | 60 | 0 |
| Moruya .. | b | 74 | 66 | 0 |
| Kiandra | b | 89 | 13 | 0 |

| | | | |
|---|---|---|---|
| Clarence . | c | 87 | 69 | 0 |
| Kempsey . | . | — | — | — |
| Walcha . | b | 68 | — | 0 |
| Nelson's B. | . | . | — | — |
| Marsdens . | b | 86 | 64 | 0 |
| Taralga . . | b | 76 | 48 | 0 |
| Taree . . . | b | 77 | 61 | 0 |
| Singleton . | b | 83 | 35 | 0 |
| Alb ry | b | 97 | 57 | 0 |
| B'd'lla | b | — | 48 | 0 |
| Cooma | b | 81 | 47 | 0 |
| Eden | b | 78 | 68 | 0 |
| Gabo | . | — | — | — |

13 29 87 R 86 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E Thunderstorm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

Sea smooth heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·49s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY.
SYDNEY b 73 59 Rain 0·000

0 29·71 F 92

28 29·68 F 81

0 29·74 F 72

0 29·86 F 76

R — 82

B — 73

C — 74

PW 0 72

N 4 69

S 3 70

W 14 73

CG 23 69

Ma 14 78

E 0 68

13 68

Barometers fallen about 0·15 in E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 9 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to Februa 9 14·974
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'X | Mn | R'in |
|---|---|---|---|---|
| Casino .. | g | 90 | 64 | 0 |
| Tent'rfield | r | 88 | 55 | 0·67 |
| Clarence . | g | 99 | 55 | 0 |
| Moree | g | 96 | — | 0 |
| Grafton | r | 77 | 70 | 0 |
| Gl'n Inn's | r | 85 | 56 | 0·85 |
| Inverell.. | g | 83 | 49 | 0·50 |
| Bourke | b | 107 | 72 | 0 |
| Narrabri . | g | 105 | 50 | 0 |
| Armidale. | g | 79 | — | 0·34 |
| Bendem'r | g | 84 | 45 | 0 |
| Gunned'h | c | 92 | 73 | 0 |
| C'n'mble . | b | 86 | 60 | 0 |
| Kempsey | . | — | — | 0 |
| Walcha.. | g | 75 | 40 | 0 |
| Tamw'rth | b | 96 | 68 | 0 |
| Coonab'n. | b | 93 | 65 | 0 |
| P. M'cqrie | g | 85 | 70 | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi . | b | 84 | 56 | 0 |
| Taree.. | g | 84 | 61 | 0 |
| Cassilis | b | 89 | 65 | 0 |
| Muss'br'k | b | 90 | 58 | 0 |
| Dubbo . | b | 92 | 66 | 0 |
| Menindie. | b | 100 | 65 | 0 |
| Singleton | b | 83 | 40 | 0 |
| Nels'n's B' | g | 82 | 55 | 0 |
| Mudg' | b | 93 | 62 | 0 |
| Maitland. | b | 78 | 59 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 80 | 57 | 0 |
| Orange .. | b | 82 | 52 | 0 |
| Bathurst | b | 89 | 68 | 0 |
| Forbes .. | b | 87 | 59 | 0 |
| M.Vict'ria | b | 81 | 60 | 0 |
| Carcoar . | b | 87 | 70 | 0 |
| Cond'b'lin | b | 70 | 55 | 0 |
| Marsdens | b | 90 | 68 | 0 |
| Picton .. | b | 85 | 62 | 0 |
| Sydney .. | c | 79 | 68 | 0 |
| Wentw'th | g | 91 | 60 | 0 |
| Young .. | p | 95 | 61 | 0·17 |
| Woll'g'ng | c | 83 | 55 | 0 |
| Taralga.. | b | 79 | 58 | 0 |
| Hay .... | b | 93 | 54 | 0 |
| M'ss V'l | b | 82 | 62 | 0 |
| Euston | g | 96 | 54 | 0 |
| G'lburn | b | 89 | 60 | 0 |
| Wagga. | b | 90 | 54 | 0 |
| C Geo' | c | 77 | 51 | 0·04 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 84 | 63 | 0·03 |
| Deniliquin. | b | 91 | 56 | 0·05 |
| Moruya.... | g | 77 | 63 | 0·07 |
| Kiandra.. | r | 60 | 20 | 0·28 |
| Albury .... | b | 85 | 61 | 0·17 |
| Bodalla.. | o | — | 59 | 0·39 |
| Cooma .... | c | 89 | 56 | 0·05 |
| Eden .... | . | — | — | — |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow. sea smooth heavy very heavy.

Barometers fallen about 0 10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from TELEGRAMS for 9 A.M., FEB. 10 1888.

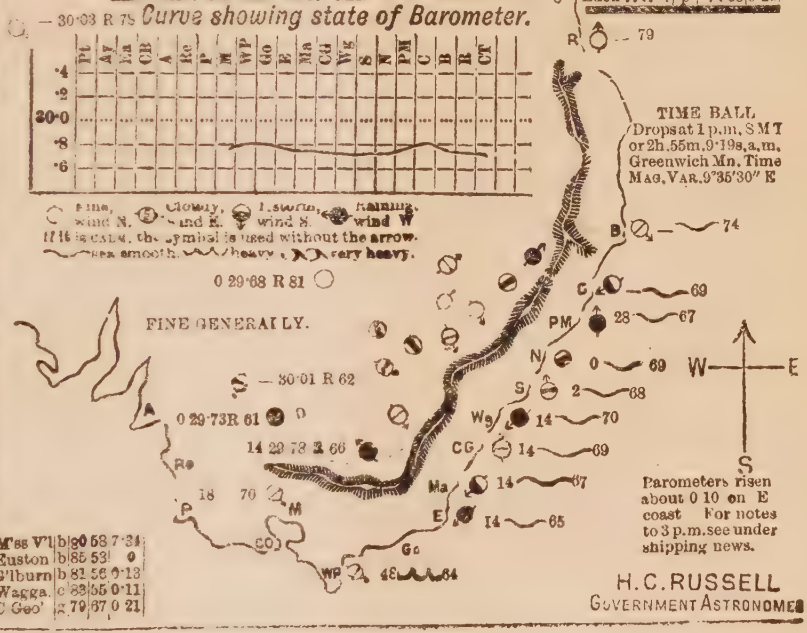
Sydney Observatory.

Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 30·81s. E

Average Annual Rainfall for 24 years ..... 50·40
Average for 25 years from Jan. 1st to Feb. January 31 -3·646
Total Rainfall from Jan. 1st to February 10 15·354
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M.X | MN | R'in |
|---|---|---|---|---|
| Casino .. | r | 89 | 62 | 0·65 |
| Tent'rfield | g | 85 | 59 | 1·08 |
| Clarence | t | 80 | 67 | 0 |
| Moree .. | g | 88 | - | 3·39 |
| Grafton | r | 83 | 61 | 0·09 |
| Glen Inn's | g | 76 | 53 | 1·30 |
| Inverell. | c | 86 | 47 | 1·90 |
| Bourke | b | 95 | 65 | 0 |
| Narrabri. | c | 95 | 45 | 0·43 |
| Armidale. | . | — | — | — |
| Bendem'r | g | 82 | 42 | 1·82 |
| Gunned'h | . | — | — | — |
| C'n'mble. | p | 95 | 57 | 0·65 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 76 | 45 | 1·23 |
| Tamw'rth | q | 98 | 59 | 0 |
| Coonab'n. | b | 90 | 51 | 0·13 |
| P. M'cqrie | p | 86 | 64 | 2·08 |
| W'lcannia | . | — | — | . |
| Murr'ndi. | g | 84 | 62 | 1·55 |
| Taree.. | g | 88 | 61 | 0·46 |
| Cassilis | c | 87 | 64 | 0·34 |
| Muss'br'k | g | 99 | 50 | 0·37 |
| Dubbo . | c | 92 | 66 | 0 |
| Menindie. | r | 83 | 60 | 0·42 |
| Singleton | b | 82 | 38 | 0·35 |
| Nels'n's B' | g | 83 | 63 | 0·55 |
| Mudg' | g | 89 | 59 | 0·50 |
| Maitland. | g | 90 | 60 | 0·58 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 86 | 57 | 0·58 |
| Orange .. | g | 82 | 52 | 0·60 |
| Bathurst | g | 84 | 58 | 0·38 |
| Forbes .. | b | 87 | 60 | 0 |
| M. Vict'ria | b | 73 | 53 | 0·60 |
| Carcoar . | g | 84 | 60 | 1·24 |
| Cond'b'lin | g | 60 | 49 | 0·50 |
| Marsdens | b | 86 | 62 | 0·66 |
| Picton .. | b | 84 | 58 | 1·23 |
| Sydney .. | g | 81 | 66 | 0·38 |
| Wentw'th | c | 73 | 56 | 0·10 |
| Young .. | g | 90 | 61 | 0·03 |
| Woll'g'ng | p | 89 | 55 | 0·55 |
| Taralga.. | b | 79 | 55 | 0 |
| Hay .. .. | p | 80 | 57 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Quaanbe'an | c | 75 | 60 | 0·55 |
| Deniliquin. | r | 81 | 53 | 0 |
| Moruya .. . | . | — | — | — |
| Kiandra.. | c | 63 | 20 | 0·25 |
| Albury .. | r | 86 | 60 | 0·08 |
| Bodalla.. | r | — | 61 | 0·34 |
| Cooma . . | r | 74 | 54 | 0·10 |
| Eden .... | p | 74 | 65 | 0·20 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 80 | 58 | 7·34 |
| Euston | b | 85 | 53 | 0 |
| G'lburn | b | 81 | 56 | 0·13 |
| Wagga. | c | 83 | 55 | 0·11 |
| C Geo' | g | 79 | 67 | 0·21 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 12 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* : *Long.* 10h. 4m. 50·81s. *E.*

Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to . January 31 3·645
Total Rainfall from Jan. 1st to . February 12 15·790
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | c | 91 | 63 | 0·31 |
| Tent'rfield | g | 78 | 54 | 0·41 |
| Clarence . | c | 79 | 66 | 0·84 |
| Moree .. | b | 82 | — | 0 |
| Grafton . | g | 84 | 63 | 0·50 |
| Gl n Inn's | c | 70 | 50 | 1·06 |
| Inverell.. | b | 82 | 52 | 2 75 |
| Bourke | b | 94 | 65 | 0 |
| Narrabri . | g | 91 | 48 | 0·20 |
| Armidale. | b | 71 | — | 0·91 |
| Bendem'r | b | 71 | 39 | 0·41 |
| Gunned'h | g | 84 | 59 | 1·11 |
| C'n'mble .. | | — | — | — |
| Kempsey . | | — | — | — |
| Walcha.. | b | 66 | 39 | 1·03 |
| Tamw'rth | b | 84 | 54 | 0·14 |
| Coonab'n. | g | 76 | 50 | 0·49 |
| P. M'cqrie | c | 81 | 64 | 0·52 |
| W'lcannia | . | — | — | .. |
| Murr'ndi . | b | 76 | 56 | 0·42 |
| Taree.. | g | 85 | 65 | 0·53 |
| Cassilis . | | — | — | — |
| Muss'br'k | b | 99 | 53 | 0·64 |
| Dubbo . | g | 91 | 61 | 0·64 |
| Menindie. | . | — | — | — |
| Singleton | b | 82 | 36 | 0·02 |
| Nels'n's B' | b | 81 | 60 | 0·20 |
| 23 71 | | | | |
| Mudg' | b | 85 | 51 | 1·10 |
| Maitland. | b | 89 | 62 | 0·10 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 60 | 0·21 |
| Orange .. | b | 89 | 54 | 0·18 |
| Bathurst | f | 77 | 52 | 1·16 |
| Forbes .. | n | 84 | 59 | 0·20 |
| M. Vict'ria | b | 77 | 52 | 0·90 |
| Carcoar . | n | 88 | 57 | 0·40 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 80 | 65 | 0·59 |
| Picton .. | b | 58 | 39 | 0 |
| Sydney .. | g | 77 | 65 | 0·44 |
| Wentw'th | . | — | — | .. |
| Young .. | b | 91 | 54 | 0·43 |
| Woll'g'ng | c | 78 | 61 | 0·87 |
| Taralga.. | g | 79 | 55 | 1·25 |
| Hay .. .. | b | 89 | 64 | 0·25 |

| Stations. | WT | M | X | Mn | R'in. |
|---|---|---|---|---|---|
| Queanbe'an | b | 77 | 58 | 0 | |
| Deniliquin. | b | 92 | 54 | 0·23 | |
| Moruya .. | p | 78 | 62 | 0·25 | |
| Kiandra.. | b | 80 | 20, | 0·48 | |
| Albury ... | b | 90 | 56 | 0·66 | |
| Bodalla.. | b | — | 59 | 0·87 | |
| Cooma ... | b | 78 | 50 | 0·41 | |
| Eden .... | b | 77 | 54 | 0·15 | |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 71 | 57 | 0·44 |
| Euston | b | 90 | 52 | 0 |
| G'lburn | g | 79 | 56 | 0·47 |
| Wagga. | b | 88 | 50 | 0·12 |
| C Geo' | g | 76 | 48 | 2·31 |

## *Curve showing state of Barometer.*

0 29·68 S 85

Pt Ay En CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

30·4 · 30·2 · 30·0 · 29·8 · 29·6

Fine, wind N. Cloudy, wind E. Thunder, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth, heavy, very heavy.

TIME BALL
Drops at 1 p.m, S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY.

0 29·68 S 85

8 75 A 0 29·75 R 75 D 18 65 Re 14 29·76 F 70 P S 80 M 0 65 CO 0 68 WP 3 66 Go Ma 14 67 E 0 75 CG 28 67 Wg 0 71 S 0 68 N 70 PM 14 67 C 14 69 B 72

W E S

Barometers risen about 0·01 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M.,** FEB. 13 1883.

**Sydney Observatory.**

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.*

**Average Annual Rainfall for 24 years** . . . . . 50·640
**Average for 25 years from Jan. 1st to** January 31 -3·645
**Total Rainfall from Jan. 1st to** February 13 15·795
**Barometers corrected to 32° Fah.** and Mean Sea Level

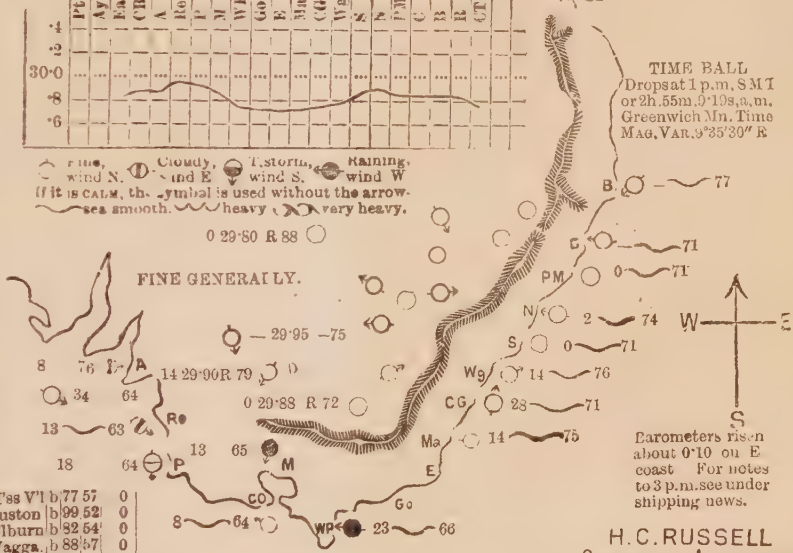
| STATIONS. | WT | M'X | VD | R'in |
|---|---|---|---|---|
| Casino .. | b | 87 | 64 | 0 |
| Tent'rfield | b | 81 | 56 | 0 |
| Clarence . | b | 79 | 66 | 0 |
| Moree .. | b | 88 | - | 0 |
| Grafton .. | b | 85 | 55 | 0 |
| Gl'n Inn's | b | 75 | 50 | 0·15 |
| Inverell .. | b | 80 | 50 | 0·31 |
| Bourke | b | 98 | 68 | 0 |
| Narrabri . | b | 90 | 45 | 0 |
| Armidale. | b | 71 | — | 0·34 |
| Bendem'r | b | 79 | 37 | 0·16 |
| Gunned'h | b | 81 | 59 | 0·95 |
| C'n'mble . | b | 83 | 51 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | b | 65 | 40 | 0·78 |
| Tamw'rth | b | 90 | 55 | 0 |
| Coonab'n. | b | 77 | 48 | 0 |
| P. M'cqrie | b | 81 | 64 | 1·12 |
| W'lcannia | . | — | — | .. |
| Murr'ndi . | b | 76 | 56 | 0·51 |
| Taree.. | b | 81 | 60 | 0·14 |
| Cassilis | b | 73 | 55 | 0·26 |
| Muss'br'k | b | 86 | 59 | 0 |
| Dubbo . | b | 87 | 63 | 0 |
| Menindie. | b | 93 | 72 | 0 |
| Singleton | b | 80 | 34 | 0 |
| Nels'n's B' | b | 87 | 60 | 0 |
| 28 68 Mudg' | b | 84 | 55 | 0 |
| Maitland. | b | 84 | 70 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 80 | 62 | 0 |
| Orange .. | b | 75 | 52 | 0 |
| Bathurst | b | 79 | 55 | 0 |
| Forbes .. | b | 85 | 58 | 0 |
| M. Vict'ria | b | 79 | 54 | 0 |
| Carcoar . | b | 88 | 61 | 0 |
| Cond'b'lin | b | 83 | 75 | 0 |
| Marsdens | b | 86 | 66 | 0 |
| Picton .. | b | 80 | 48 | 0 |
| Sydney .. | b | 78 | 70 | 0·01 |
| Wentw'th | b | 95 | 67 | 0 |
| Young .. | b | 95 | 57 | 0 |
| Woll'g'ng | b | 83 | 60 | 0 |
| Taralga.. | b | 77 | 54 | 0 |
| Hay .... | b | 95 | 64 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 77 | 57 | 0 |
| Euston | b | 99 | 52 | 0 |
| G'lburn | b | 82 | 54 | 0 |
| Wagga. | b | 88 | 57 | 0 |
| C Geo' | b | 79 | 50 | 0 |

| Stations. | WT | M,X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 81 | 61 | 0 |
| Deniliquin. | b | 98 | 64 | 0 |
| Moruya.. | b | 78 | 63 | 0 |
| Kiandra.. | b | 101 | 25 | 0 |
| Albury ... | b | 95 | 61 | 0 |
| Bodalla.. | b | — | 60 | 0 |
| Cooma ... | g | 88 | 55 | |
| Eden .... | . | — | — | — |

*Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.




Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

| STATIONS. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino .. | c | 61 | 63 | 0 |
| Tent'rfield | g | 84 | 58 | 0 |
| Clarence . | b | 75 | [illegible] | 0 |
| Moree .. | g | [illegible] | [illegible] | 0·11 |
| Grafton . | b | [illegible] | [illegible] | 0 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. . | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri . | b | 103 | [illegible] | 0 |
| Armidale.. | b | [illegible] | — | 0 |
| Bendem'r | b | [illegible] | [illegible] | 0 |
| Gunned'h | b | [illegible] | 68 | 0 |
| C'n'mble .. | b | [illegible] | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | [illegible] | [illegible] | 0 |
| Tamw'rth | [illegible] | [illegible] | 64 | 0 |
| Coonab'n. | b | [illegible] | 54 | 0 |
| P. M'cqrie | b | [illegible] | 67 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | [illegible] | 63 | 0 |
| Taree.. | g | 85 | 65 | 0 |
| Cassilis | g | [illegible] | 62 | 0 |
| Muss'br'k | b | [illegible] | [illegible] | [illegible] |
| Dubbo . | b | [illegible] | [illegible] | [illegible] |
| Menindie. | b | 100 | 78 | 0 |
| Singleton | b | [illegible] | 33 | 0 |
| Nels'n's B' | | — | — | — |
| Mudg' | b | 92 | 62 | 0 |
| Maitland. | g | [illegible] | 62 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 62 | 0 |
| Orange .. | b | 81 | 58 | 0 |
| Bathurst | b | [illegible] | 59 | 0 |
| Forbes .. | b | [illegible] | 59 | 0 |
| M. Vict'ria | p | 91 | 54 | 0 |
| Carcoar . | n | [illegible] | 73 | 0 |
| Cond'b'lin | b | [illegible] | 62 | [illegible] |
| Marsdens | . | | — | — |
| Picton .. | g | [illegible] | 62 | 0 |
| Sydney .. | g | [illegible] | 71 | [illegible] |
| Wentw'th | b | [illegible] | [illegible] | 0 |
| Young .. | b | [illegible] | 65 | 0 |
| Woll'g'ng | r | [illegible] | 64 | 0·14 |
| Taralga.. | g | [illegible] | 65 | 0 |
| Hay .... | b | [illegible] | 58 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l'e | [illegible] | 94 | 62 | 0·22 |
| Euston | b | — | 60 | 0 |
| G'lburn | g | 90 | 62 | 0 |
| Wagga. | b | 93 | 60 | 0 |
| C Geo' | c | 64 | 49 | 0·36 |

**COMPILED from TELEGRAMS for 9 A.M.,** FEB. 14 1883

Sydney Observatory.

*Lat. 33° 51' 41" S.; Long. 10h. 4m. 50 81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... | 50·40 |
| Average for 25 years from Jan. 1st to | January 31 | [illegible] |
| Total Rainfall from Jan. 1st to | February 14 | 15·795 |
| Barometers corrected to 32° Fah | and Mean Sea Level | |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 85 | 61 | 0 |
| Deniliquin. | b | 98 | 55 | 0 |
| Moruya .. | g | 82 | 62 | 0·02 |
| Kiandra | b | 75 | 38 | 0 |
| Albury . | | - | | |
| Bodalla.. | g | [illegible] | 58 | 0 |
| Cooma ... | g | 91 | 55 | 0·10 |
| Eden .... | b | 81 | 67 | 0 |

*Curve showing state of Barometer.*

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 15 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* : *Long.* 10h. 4m. 50·91s. *E.*

Average Annual Rainfall for 24 years 50·640.
Average for 25 years from Jan. 1st to January 31 3·645
Total Rainfall from Jan. 1st to February 15 15·875
Barometer corrected to 32° Fah and Mean Sea Level

*Curve showing state of Barometer.*

| Stations. | WT | M | X | Mn | R'fall |
|---|---|---|---|---|---|
| Queanbeyan | b | 73 | 49 | | 0 |
| Deniliquin. | b | 95 | 67 | | 0 |
| Moruya | b | 75 | 69 | | 0 |
| Kiandra | b | 84 | 31 | | 0 |
| Albury | c | 95 | 56 | | 0 |
| Bodalla | b | — | 53 | 0 | 01 |
| Cooma | c | 75 | 42 | | 0 |
| Eden | b | 73 | 57 | | 0 |

| Stations. | WT | M | X | Mn | R'fall |
|---|---|---|---|---|---|
| Clarence | c | 82 | 68 | | 0 |
| Bendeleu'r | g | 83 | 47 | | 0 |
| Grenfell'hi | b | 95 | 68 | | 0 |
| Cudgelle | b | 90 | 54 | | 0 |
| Forbes | b | 90 | 60 | | 0 |
| Carcoar | b | 85 | 57 | | 0 |
| Bathurst | b | 84 | 60 | | 0 |
| Tacton | g | 76 | 51 | | 0 |
| Sydney | g | 74 | 63 | 0 | 80 |
| Mt. Wilson | b | 61 | 53 | 0 | 03 |
| Taree | b | 87 | 64 | | 0 |
| Wilson's P'k | b | 75 | 59 | | 0 |
| Tarraganda | g | 76 | 51 | | 0 |
| Hay | b | 85 | 59 | | 0 |
| Easton | b | 87 | 69 | | 0 |
| Gibraltar | b | 71 | 50 | | 0 |
| Wagga | g | 95 | 58 | | 0 |
| C Geo | b | 73 | 59 | | 0 |

Fine, wind N. Cloudy, wind E. Stormy, wind S. Raining, wind W

sea smooth heavy very heavy.

14 29·93 R 85

FINE GENERALLY.

14 30·03 F 85

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9° 35′ 30″ E

Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 16 1883.

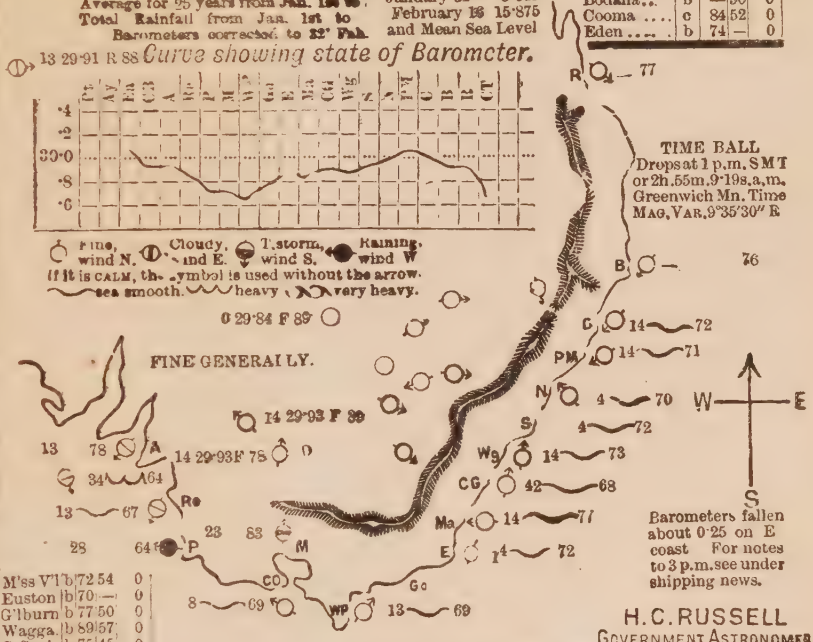
**Sydney Observatory.**

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·91s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to February 16 15·875
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 81 | 55 | 0 |
| Tent'rfield | . | — | — | — |
| Clarence . | b | 83 | 65 | 0 |
| Moree .. | b | 97 | - | 0 |
| Gra[illegible]n | b | 81 | 59 | 0 |
| [illegible]nn's | b | 76 | 46 | 0 |
| Inverell. | b | 83 | 56 | 0 |
| Bourke | b | 98 | 72 | 0 |
| Narrabri . | b | 104 | 48 | 0 |
| Armidale. | b | 86 | — | 0 |
| Bendem'r | b | 75 | 36 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble . | b | 94 | 55 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | b | 65 | 40 | 0 |
| Tamw'rth | b | 86 | 55 | 0 |
| Coonab'n. | b | 84 | 49 | 0 |
| P. M'cqrie | b | 78 | 59 | 0 |
| W'leannia | . | — | — | .. |
| Murr'ndi . | b | 77 | 62 | 0 |
| Taree.. | b | 84 | 61 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 82 | 55 | 0 |
| Dubbo . | b | 83 | 65 | 0 |
| Menindie. | b | 103 | 79 | 0 |
| Singleton | b | 84 | 38 | 0 |
| Nels'n's B' | b | 85 | 56 | 0 |
| 23 66 Mudg' | b | 87 | 55 | 0 |
| Maitland. | p | 79 | 59 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 60 | 0 |
| Orange .. | b | 77 | 52 | 0 |
| Bathurst | b | 79 | 52 | 0 |
| Forbes .. | b | 91 | 62 | 0 |
| M. Vict'ria | b | 78 | 43 | 0 |
| Carcoar . | b | 89 | 70 | 0 |
| Cond'b'lin | b | 84 | 61 | 0 |
| Marsdens | b | 90 | 60 | 0 |
| Picton .. | b | 75 | 55 | 0 |
| Sydney . | b | 75 | 61 | 0 |
| Wentw'th. | b | 108 | 75 | 0 |
| Young . | b | 92 | 58 | 0 |
| Woll'g'ng | b | 88 | 58 | 0 |
| Taralga.. | b | 86 | 50 | 0 |
| Hay .... | b | 100 | 63 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 74 | 58 | 0 |
| Deniliquin. | b | 100 | 73 | 0 |
| Moruya.... | b | 74 | 58 | 0 |
| Kiandra.. | c | 91 | 43 | 0 |
| Albury ... | . | — | - | — |
| Bodalla... | b | — | 50 | 0 |
| Cooma .... | c | 84 | 52 | 0 |
| Eden .... | b | 74 | — | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 72 | 54 | 0 |
| Euston | b | 70 | — | 0 |
| G'lburn | b | 77 | 50 | 0 |
| Wagga. | b | 89 | 57 | 0 |
| C Geo' | b | 75 | 45 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED** from **TELEGRAMS** for 9 A.M., FEB. 17 1883

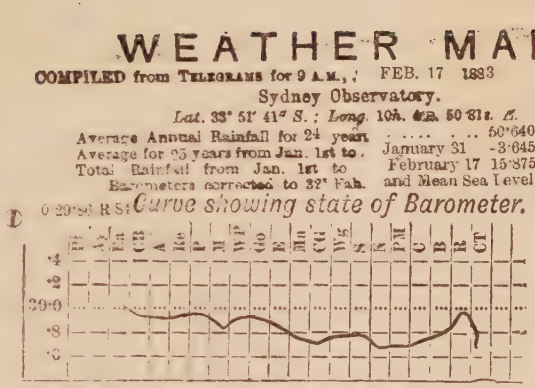
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10h. 4m. 50·81s. *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 3·645
Total Rainfall from Jan. 1st to February 17 15·875
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M | X | Mn | R | in |
|---|---|---|---|---|---|---|
| Casino . | b | 88 | 57 | | 0 | |
| Tent'rfield | b | 85 | 54 | | 0 | |
| Clarence . | b | 83 | 65 | | 0 | |
| Moree .. | b | 94 | - | | 0 | |
| Grafton | b | 72 | - | | 0 | |
| Gl n Inn's | b | 87 | 61 | | 0 | |
| Inverell. | b | 84 | 57 | | 0 | |
| Bourke | b | 105 | 75 | | 0 | |
| Narrabri . | b | 100 | 65 | | 0 | |
| Armidale. | b | 84 | - | | 0 | |
| Bendem'r | b | 82 | 49 | | 0 | |
| Gunned'h | b | 9 | | | | |
| C'n'mble . | b | 95 | 69 | | 0 | |
| Kempsey | . | — | — | | — | |
| Walcha.. | b | 75 | 47 | | 0 | |
| Tamw'rth | b | 94 | 56 | | 0 | |
| Coonab'n. | b | 92 | 55 | | 0 | |
| P. M'cqrie. | b | 78 | 62 | | 0 | |
| W'lcannia | . | — | — | | — | |
| Murr'ndi . | b | 82 | 65 | | 0 | |
| Taree. | b | 87 | 60 | | 0 | |
| Cassilis | b | 84 | 60 | | 0 | |
| Muss'br'k | b | 91 | 62 | | 0 | |
| Dubbo . | b | 89 | 72 | | 0 | |
| Menindie. | b | 110 | 74 | | 0 | |
| Singleton | b | 85 | 67 | | 0 | |
| Nels'n's B' | b | 85 | 55 | | 0 | |
| 18 66 | | | | | | |
| Mudg' | g | 91 | 62 | | 0 | |
| Maitland. | c | 81 | 65 | | 0 | |
| Hill End. | . | — | — | | — | |
| N 'wcastle | b | 79 | 65 | | 0 | |
| Orange .. | b | 84 | 62 | | 0 | |
| Bathurst | g | 92 | 63 | | 0 | |
| Forbes .. | b | 93 | 62 | | 0 | |
| M. Vict'ria | b | 84 | 48 | | 0 | |
| Carcoar . | b | 84 | 71 | | 0 | |
| Cond'b'lin | . | — | — | | — | |
| Marsdens | b | 98 | 74 | | 0 | |
| Picton .. | g | 81 | 59 | | 0 | |
| Sydney .. | g | 77 | 71 | | 0 | |
| Wentw'th | b | 102 | 64 | | 0 | |
| Young . | g | 103 | 67 | | 0 | |
| Woll'g'ng | c | 82 | 68 | 0·03 | | |
| Taralga.. | g | 83 | 63 | | 0 | |
| Hay ... | b | 107 | 60 | | 0 | |

| Stations. | WT | M | X | Mn | R | in |
|---|---|---|---|---|---|---|
| Queanbe'an | b | 75 | 64 | | 0 | |
| Deniliquin. | b | 108 | 69 | | 0 | |
| Moruya .. | g | 78 | 65 | | 0 | |
| Kiandra.. | g | 59 | 34 | | 0 | |
| Albury ... | b | 96 | 60 | | 0 | |
| Bodalla.. | g | — | 58 | | 0 | |
| Cooma .... | c | 82 | 52 | | 0 | |
| Eden ..... | p | 76 | 64 | | 0·05 | |




Rain, wind N. Cloudy, wind E. T'storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY.

0 29·68 F 99
28 29·95 F 69
14 29·84 F 72
14 29·77 F 75

R — 76
B — 77
C 14 — 73
PM 14 — 76
N 11 — 76
S 24 — 70
Ws 42 — 70
CG 56 — 70
Ma 28 — 67
E 14 — 65
Go 23 — 64
WP 23 — 64
CO 23 — 64
M 13 65
P 23 62
Re 23 — 61
A 14 18 61
8 70

W E S

Barometers fallen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M., FEB. 19 1883**

**Sydney Observatory.**

*Lat. 33° 51′ 41″ S. ; Long. 10h. 4m. 50·61s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to ... January 31 ·3·645
Total Rainfall from Jan. 1st to ... February 19 15·885
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | b | 95 | 71 | 0 |
| Tent'rfield | g | 94 | 59 | 0 |
| Clarence . | g | 80 | 72 | 0 |
| Moree .. | r | 97 | - | 0·87 |
| Grafton | c | 92 | 63 | 0 |
| Glen Inn's | r | 92 | 58 | 0 |
| Inverell. | r | 82 | 52 | 0 |
| Bourke | g | 108 | 67 | 0 |
| Narrabri . | r | 104 | 70 | 0·23 |
| Armidale. | d | 86 | — | 0·02 |
| Bendem'r | r | 79 | 62 | 0·33 |
| Gunned'h | . | - | — | — |
| Cu'mble . | b | 101 | 64 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | g | 82 | 50 | 0 |
| Tamw'rth | c | 102 | 70 | 0 |
| Coonab'n. | g | 92 | 66 | 0 53 |
| P. M'cquie | c | 86 | 73 | 0 13 |
| W'leannia | . | — | - | — |
| Murr'ndi . | g | 88 | 66 | 0·37 |
| Taree . | . | — | — | — |
| Cassilis | r | 91 | 67 | 0·43 |
| Muss'br'k | . | — | - | — |
| Dubbo . | g | 97 | 70 | 0 |
| Menindie. | b | 84 | 64 | 0·10 |
| Singleton | | 83 | 37 | 0 85 |
| Nels'n's B' | . | — | — | — |
| 0 67 | | | | |
| Mudg' | g | 93 | 63 | 0·06 |
| Maitland. | g | 91 | 68 | 0·85 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 84 | 69 | 0·45 |
| Orange .. | c | 83 | 57 | 0 |
| Bathurst | b | 91 | 55 | 0 |
| Forbes .. | . | — | — | — |
| M. Vict'ria | g | 89 | 54 | 0 |
| Carcoar . | b | 79 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 98 | 65 | 0 |
| Picton .. | g | 75 | 60 | 0·10 |
| Sydney .. | g | 78 | 65 | 0·01 |
| Wentw'th | b | 81 | 58 | 0 |
| Young . | b | 102 | 55 | 0 |
| Woll'g'ng | c | 83 | 61 | 0 |
| Taralga.. | b | 84 | 55 | 0 |
| Hay .... | b | 92 | 56 | 0 |

| Stations. | WT. | M'x | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 78 | 52 | 0 |
| Deniliquin. | . | — | — | — |
| Moruya .. | b | 79 | 68 | 0 |
| Kiandra.. | b | 72 | 35 | 0 |
| Albury ... | c | 97 | 56 | 0 |
| Bodalla.. | b | — | 52 | 0 |
| Cooma .... | b | 84 | 52 | 0 |
| Eden .... | b | 75 | 61 | 0 |

23 30·06 R 67 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow-
sea smooth. heavy very heavy.

— 29·74 R 77

FINE GENERALLY.

42 29·91 F 64

28 29·79 R 71

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·20 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M.; FEB. 20 1883**

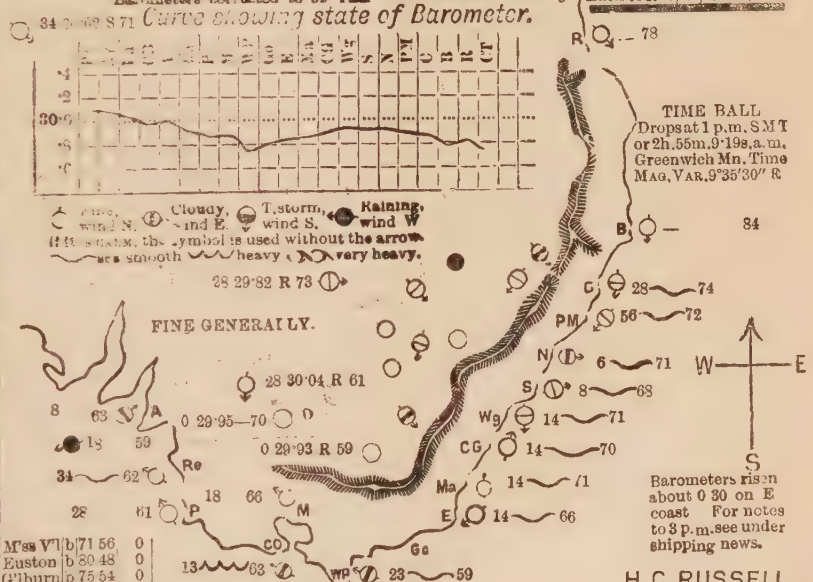
**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.*; **Long.** 10h. [illegible] 50·81s. *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to February 20 16·067
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | Vn | R'in |
|---|---|---|---|---|
| Casino . | g | 79 | 71 | 0·20 |
| Tent'rfield | g | 85 | 65 | 0·48 |
| Clarence . | g | 89 | 72 | 0·38 |
| Moree .. | p | 89 | - | 0 |
| Grafton . | b | 94 | 73 | 0 |
| Gl'n Inn's | g | 76 | 63 | 0·11 |
| Inverell . | r | 82 | 51 | 0·20 |
| Bourke | g | 89 | 51 | 0 |
| Narrabri . | g | 104 | 50 | 0 |
| Armidale. | g | 76 | — | 0·15 |
| Bendem'r | g | 78 | 52 | 0·12 |
| Gunned'h | g | 85 | 64 | 0·02 |
| C'n'mble . | g | 83 | 55 | 0 |
| Kempsey | . | — | — | — |
| Wa'cha.. | g | 70 | 45 | 0 |
| Tamw'rth. | c | 85 | 66 | 0 |
| Coonab'n. | g | 84 | 55 | 0 |
| P. M'cqrie | g | 91 | 69 | 0·20 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | g | 88 | 64 | 0 |
| Taree.. | r | 84 | 71 | 0·10 |
| Cassilis | g | 78 | 63 | 0 |
| Muss'br'k | g | 87 | 65 | 0 |
| Dubbo . | c | 95 | 68 | 0 |
| Menindie. | b | 82 | 60 | 0 |
| Singleton | g | 82 | 35 | 0 |
| Nels'n's B. | b | 73 | 68 | 0·02 |
| 8 68 Mudg' | g | 85 | 60 | 0 |
| Maitland. | g | 81 | 69 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 85 | 65 | 0 |
| Orange .. | c | 73 | 58 | 0 |
| Bathurst | b | 76 | 49 | 0 |
| Forbes .. | c | 93 | 58 | 0 |
| M. Vict'ria | g | 84 | 53 | 0 |
| Carcoar . | g | 78 | 55 | 0 |
| Cond'b'lin | c | 87 | 80 | 0 |
| Marsdens | b | 80 | 60 | 0 |
| Picton .. | g | 76 | 58 | 0 |
| Sydney .. | g | 79 | 64 | 0·18 |
| Wentw'th | b | 77 | 51 | 0 |
| Young . | b | 90 | 47 | 0 |
| Woll'g'ng | c | 81 | 60 | 0 |
| Taralga.. | b | 72 | 55 | 0 |
| Hay .... | b | 78 | 55 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 76 | 56 | 0 |
| Deniliquin. | b | 78 | 42 | 0 |
| Moruya .. | b | 76 | 60 | 0 |
| Kiandra.. | b | 79 | 28 | 0 |
| Albury ... | b | 74 | 43 | 0 |
| Bodalla.. | b | — | 56 | 0 |
| Cooma .... | b | 78 | 44 | 0 |
| Eden .... | b | 75 | 58 | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | b | 71 56 | 0 |
| Euston | b | 80 48 | 0 |
| G'lburn | b | 75 54 | 0 |
| Wagga. | b | 74 45 | 0 |
| C Geo' | b | 80 46 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

COMPILED from TELEGRAMS for 9 A.M., FEB. 21 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long.* 10h. 4m. 50·81s. *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to ..... January 31 ·3·645
Total Rainfall from Jan. 1st to ..... February 21 16·069
Barometers corrected to 32° Fah. ..... and Mean Sea Level

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | p | 80 | 68 | 1·85 |
| Tent'rfield | . | — | — | — |
| Clarence . | g | 95 | 71 | 0·33 |
| Moree .. | g | 78 | - | 0·14 |
| Grafton . | p | 80 | 70 | 0·52 |
| Gl n Inn's | r | 79 | 60 | 0·12 |
| Inverell. | . | - | - | - |
| Bourke | b | 88 | — | 0 |
| Narrabri . | g | 80 | 45 | 0·10 |
| Armidale. | . | — | — | — |
| Bendem'r | r | 78 | 52 | 0·14 |
| Gunned'h | . | - | — | — |
| C'n'mble . | g | 82 | 55 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | r | 64 | 0 | 0·15 |
| Tamw'rth | p | 83 | 67 | 0 |
| Coonab'n. | b | 78 | 58 | 0 |
| P. M'cqrie | g | 77 | 60 | 0·35 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 73 | 65 | 0 |
| Taree . | g | 74 | 50 | 0 |
| Cassilis | . | — | — | - |
| Muss'br'k | g | 79 | 67 | 0 |
| Dubbo . | . | — | — | — |
| Menindie. | b | 70 | 56 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B' | g | 76 | 67 | 0 |
| 8 70 | | | | |
| "Mudg' | . | — | — | — |
| Maitland. | g | 78 | 50 | 0 |
| Hill End. | . | - | — | — |
| N'wcastle | b | 78 | 68 | 0·02 |
| Orange .. | . | — | — | — |
| Bathurst | . | — | — | - |
| Forbes .. | b | 94 | 60 | 0 |
| M.Vict'ria | . | — | — | — |
| Carcoar . | . | - | — | — |
| Cond'b'lin | b | 79 | 59 | 0 |
| Marsdens | b | 88 | 62 | 0 |
| Picton .. | b | 76 | 54 | 0 |
| Sydney .. | g | 73 | 65 | 0 |
| Wentw'th | b | 83 | 57 | 0 |
| Young . | b | 93 | 48 | 0 |
| Woll'g'ng | b | 81 | 61 | 0 |
| Taralga.. | b | 70 | 50 | 0 |
| Hay .... | . | — | — | — |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 78 | 53 | 0 |
| Deniliquin. | b | 86 | 56 | 0 |
| Moruya .. . | b | 76 | 63 | 0 |
| Kiandra.. | b | 71 | 29 | 0 |
| Albury ... | b | 88 | 49 | 0 |
| Bodalla.. | b | — | 59 | 0 |
| Cooma .... | c | 84 | 49 | 0 |
| Eden .... | b | 74 | 61 | 0 |

S 30·03 R 72 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

0 29·82 S 72

FINE GENERALLY.

28 30·03 F 64

14 29·92 F 69

0 29·93 S 57

8 64

0 63

8 62

23 63

82

71

28 71

3 74

12 72

28 70

42 70

14 69

14 65

62

Barometers risen about 0·10 on S coast For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 73 | 56 | 0 |
| Euston | b | 83 | 72 | 0 |
| G'lburn | b | 84 | 48 | 0 |
| Wagga. | b | 84 | 44 | 0 |
| C Geo' | b | 71 | 47 | 0 |

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**COMPILED from TELEGRAMS for 9 A.M.,** FEB. 22 1883

## Sydney Observatory.

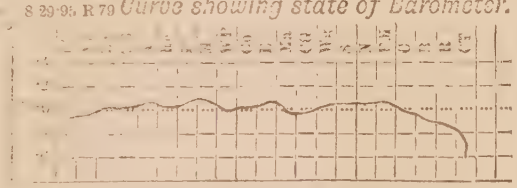
*Lat.* 33° 51′ 41″ *S.* ; *Long.* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 56·640.
Average for 25 years from Jan. 1st to . January 31 3·645
Total Rainfall from Jan. 1st to . February 22 16·089
Barometers corrected to 32° Fah. and Mean Sea Level

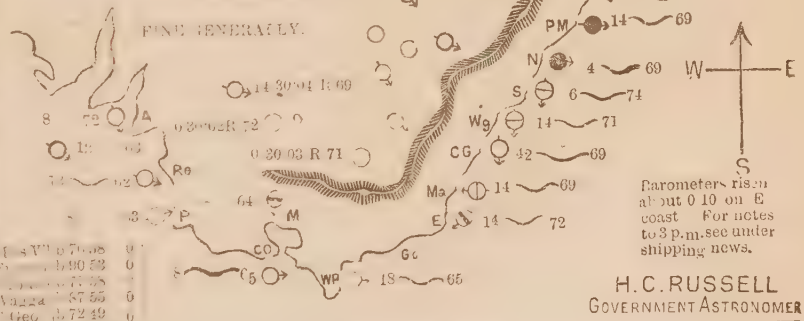
| STATIONS | wt | B'n | V | R'in |
|---|---|---|---|---|
| Casino .. | c | 76 | 67 | 0·18 |
| Tent'rfield | g | | | |
| Clarence . | b | | | |
| Moree .. | b | | | |
| Grafton .. | x | | | |
| Glen Inn's | b | | | |
| Inverell | | | | |
| Bourke | | | | |
| Narrabri | | | | |
| Coonab'n. | b | | | |
| | p | 76 | 81 | |
| Murrundi | c | | | |
| Maitland. | c | | | |
| Hill End. | | | | |
| N'weastle | p | | | |
| Orange .. | b | 76 | 56 | 0 |
| Bathurst | b | | 94 | 0 |
| Forbes .. | b | 76 | 59 | 0 |
| M.Vict'ria | g | | 57 | 0 |
| Carcoar . | b | | 64 | 0 |
| Cond'blin | b | | 76 | 0 |
| Marsdens | | | 70 | 0 |
| Picton .. | b | | 57 | 0 |
| Sydney .. | c | | 66 | 0·2 |
| Wentw'th | b | | 59 | 0 |
| Young . | b | | | |
| Woll'g'ng | c | | 60 | 0 |
| Taralga.. | g | | 42 | 0 |
| Hay .... | b | | 60 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 79 | 58 | 0 |
| Deniliquin. | b | 90 | 53 | 0 |
| Moruya .. | g | 74 | 61 | 0 |
| Kiandra .. | b | 89 | 30 | 0 |
| Albury ... | b | 92 | 52 | 0 |
| Bodalla.. | b | — | 58 | 0 |
| Cooma .... | b | 83 | 35 | 0 |
| Eden .... | g | 77 | 63 | 0 |

Curve showing state of Barometer.




Fine, Cloudy, T.storm, Raining,
wind E. wind S. wind W
sea smooth. heavy very heavy.




TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 23. 1883.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to February 23 16·089
Barometers corrected to 32° Fah. and Mean Sea Level

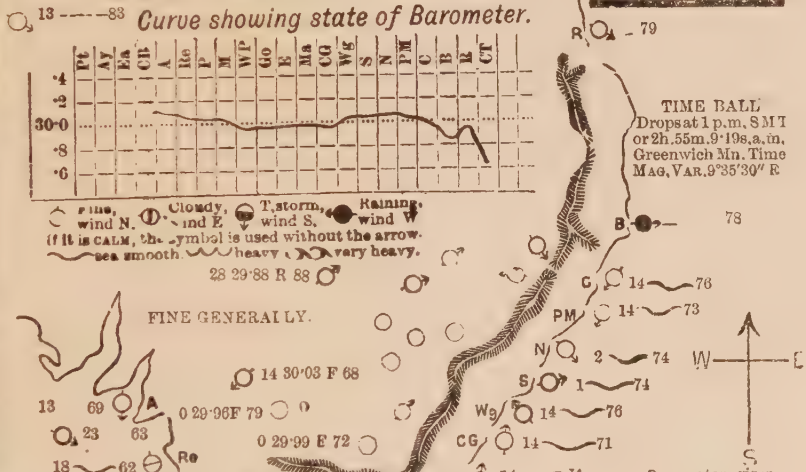
| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 85 | 63 | 0·12 |
| Tent'rfield | g | 78 | 54 | 0 |
| Clarence . | b | 77 | 69 | 0·04 |
| Moree .. | b | 91 | - | 0·18 |
| Grafton . | g | 82 | 65 | 0·11 |
| Gl'n Inn's | c | 72 | 58 | 0 |
| Inverell. | b | 81 | 50 | 0 |
| Bourke | b | 96 | 75 | 0 |
| Narrabri . | b | 109 | 60 | 0 |
| Armidale. | g | 73 | — | 0 |
| Bendem'r | c | 73 | 57 | 0 |
| Gunned'h | b | 91 | 65 | 0 |
| C'n'mble . | b | 94 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 68 | 44 | 0 |
| Tamw'rth | b | 92 | 59 | 0 |
| Coonab'n. | b | 87 | 52 | 0 |
| P. M'cqrie | p | 78 | 65 | 0·10 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 78 | 62 | 0 |
| Taree.. | b | 78 | 66 | 0 |
| Cassilis | b | 79 | 67 | 0 |
| Muss'br'k | g | 87 | 63 | 0 |
| Dubbo . | | 88 | 68 | 0 |
| Menindie. | b | 95 | 69 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B' | b | 87 | 60 | 0 |
| Mudg' | b | 91 | 60 | 0 |
| Maitland. | b | 82 | 65 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 77 | 65 | 0 |
| Orange .. | b | 81 | 55 | 0 |
| Bathurst | b | 83 | 54 | 0·15 |
| Forbes .. | b | 97 | 51 | 0 |
| M. Vict'ria | b | 85 | 79 | 0 |
| Carcoar . | b | 89 | 60 | 0·50 |
| Cond'b'lin | b | 95 | 61 | 0 |
| Marsdens | b | 94 | 68 | 0 |
| Picton .. | b | 80 | 55 | 0 |
| Sydney .. | b | 76 | 65 | 0 |
| Wentw'th | b | 95 | 61 | 0 |
| Young . | b | 100 | 61 | 0 |
| Woll'g'ng | b | 83 | 62 | 0 |
| Taralga.. | b | 74 | 57 | 0 |
| Hay .... | b | 94 | 61 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 58 | 0 |
| Deniliquin. | b | 95 | 69 | 0 |
| Moruya .. . | b | 77 | 61 | 0 |
| Kiandra.. | b | 83 | 37 | 0 |
| Albury ... | b | 95 | 58 | 0 |
| Bodalla.. | b | — | 56 | 0 |
| Cooma ... | b | 87 | 52 | 0 |
| Eden .... . | b | 78 | 66 | 0 |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 75 | 57 | 0 |
| Euston | b | 93 | 53 | 0 |
| G'lburn | b | 87 | 71 | 0 |
| Wagga. | b | 91 | 59 | 0 |
| C Geo' | b | 79 | 45 | 0 |

Barometers risen about 0·05 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 24. 1883.

Sydney Observatory.

[illegible] 50 Sts. E.

Average [illegible]

Average for 25 years from Jan. 1st to January 31 -3·645

Total [illegible] February 24 16·309

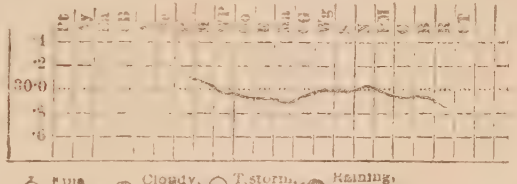
[illegible] and Mean Sea Level.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | b | 84 | 64 | 0 |
| Teut'rfield | g | [illegible] | 44 | 0 |
| Clarence . | b | 78 | 67 | 0 |
| Moree | g | [illegible] | [illegible] | 0 |
| Grafton | b | 82 | 61 | 0·10 |
| Gl'n Inn's | g | 77 | 53 | 0 |
| Inverell. | c | [illegible] | 50 | 0 |
| Bourke | g | [illegible] | [illegible] | [illegible] |
| Narrabri . | g | 104 | 67 | 0 |
| Armidale | b | 74 | — | 0 |
| Bendem'r | g | 78 | 59 | 0 |
| [illegible] | [illegible] | — | — | — |
| C'n'mble . | c | [illegible] | [illegible] | 0 |
| Kempsey | b | — | — | 0 |
| Walcha.. | g | [illegible] | [illegible] | [illegible] |
| Tamw'rth. | . | — | — | — |
| Coonab'n. | b | [illegible] | [illegible] | 0 |
| P. M'cqrie | b | [illegible] | [illegible] | [illegible] |
| W'lcannia | . | — | — | — |
| [illegible] | g | 86 | 60 | 0 |
| Taree . | b | 89 | 66 | 0 |
| Cassilis | b | [illegible] | [illegible] | 0 |
| [illegible] | g | 89 | 63 | 0 |
| Dubbo | g | 90 | 71 | 0 |
| Menindie. | b | 98 | 70 | 0 |
| Singleton | c | 83 | 35 | 0 |
| Nels'n's B' | b | 86 | 60 | 0 |
| Mudg' | g | 93 | 61 | 0 |
| Maitland. | b | 84 | 64 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 67 | 0 |
| Orange .. | b | 75 | 62 | 0 |
| Bathurst | g | 85 | 63 | 0 |
| Forbes .. | b | 93 | 60 | 0 |
| M. Vict'ria | g | 78 | 51 | 0·12 |
| Carcoar . | b | [illegible] | [illegible] | 0 |
| Cond'b'lin | [illegible] | 85 | 75 | 0 |
| Marsdens | [illegible] | [illegible] | [illegible] | 0·02 |
| Picton .. | [illegible] | [illegible] | [illegible] | 0·09 |
| Sydney .. | [illegible] | [illegible] | [illegible] | 0·02 |
| Wentw'th | [illegible] | 93 | 57 | 0 |
| [illegible] . | b | [illegible] | [illegible] | 0 |
| Woll'g'ng | p | 83 | 62 | 0 |
| Taralga.. | [illegible] | 95 | 69 | 0 |
| Hay .... | [illegible] | 99 | 40 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | | 77 | 60 | 0·10 |
| Euston | b | 99 | 55 | 0 |
| G'lburn | b | 88 | 55 | 0 |
| Wagga. | b | 95 | 57 | 0 |
| C Geo' | g | 75 | 53 | 0 |

| Stations. | WT. | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 85 | 63 | 0·05 |
| Deniliquin. | b | 00 | [illegible] | [illegible] |
| Moruya .. | [illegible] | 177 | [illegible] | [illegible] |
| Kiandra.. | b | 57 | [illegible] | [illegible] |
| Albury ... | [illegible] | [illegible] | [illegible] | [illegible] |
| Bodalla.. | g | — | 64 | 0·20 |
| Cooma ... | [illegible] | 85 | [illegible] | [illegible] |
| Eden .... | [illegible] | 75 | [illegible] | [illegible] |

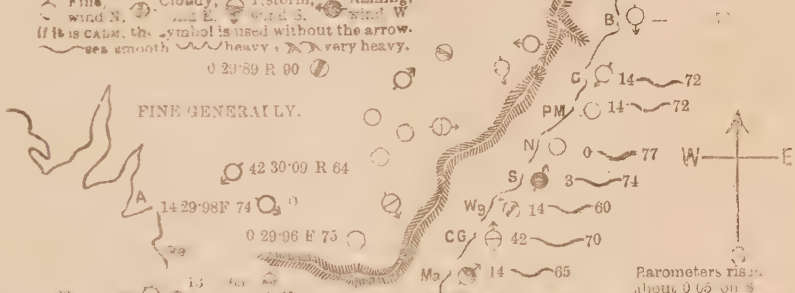
*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth heavy very heavy.




Barometers rise about 0·05 on [illegible] coast. For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 26. 1883.

Sydney Observatory.

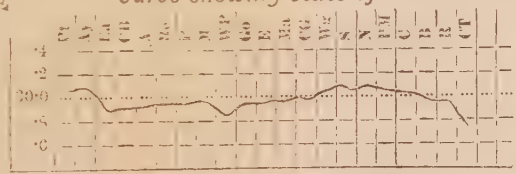
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan 1st to January 31 -3·645
Total Rainfall from Jan. 1st to February 26 16·374
Barometers corrected to 32° Fah. and Mean Sea Level

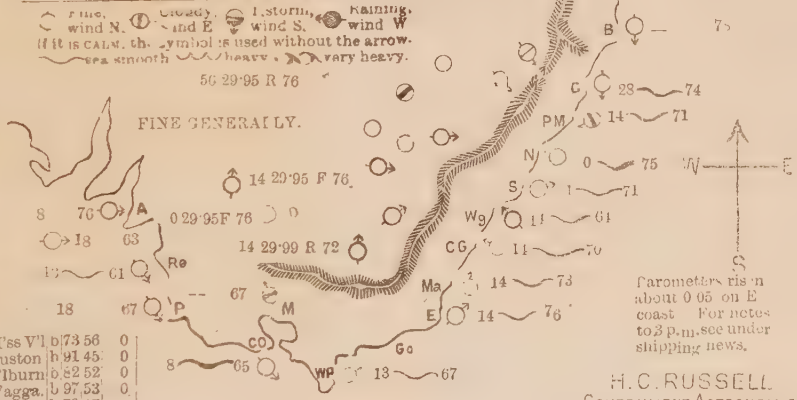
| Stations. | wt | M'x | Vn | R'in |
|---|---|---|---|---|
| Casino . | c | 85 | 59 | 0 |
| Tent'rfield | g | [illegible] | [illegible] | 0 |
| Clarence . | b | 73 | 65 | 0 |
| Moree | b | [illegible] | | 0 |
| Grafton | [illegible] | 82 | 63 | 0 |
| Glen Inn's | b | 75 | [illegible] | 0 |
| Inverell. | b | 81 | [illegible] | 0 |
| Bourke | b | [illegible] | 72 | 0 |
| Narrabri . | g | [illegible] | [illegible] | 0 |
| Armidale | b | 73 | [illegible] | 0 |
| Bendemeer | b | [illegible] | [illegible] | 0 |
| Gunned'h | c | [illegible] | [illegible] | 0 |
| C'n'mble . | b | [illegible] | [illegible] | 0·11 |
| Kempsey | . | — | | — |
| Walcha.. | b | [illegible] | [illegible] | 0 |
| Tamw'rth | b | [illegible] | [illegible] | 0 |
| Coonab'n. | b | [illegible] | [illegible] | 0 |
| P. M'cqrie | g | 80 | 63 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 79 | 59 | 0 |
| Taree.. | b | 81 | 65 | 0 |
| Cassilis | b | 86 | 67 | 0 |
| Mass'r'k | . | — | — | - |
| Dubbo | b | 86 | 68 | [illegible] |
| Menindie. | [illegible] | [illegible] | [illegible] | [illegible] |
| Singleton | b | [illegible] | [illegible] | 0 |
| Nels'n's B | b | [illegible] | [illegible] | 0 |
| 0 7[illegible] | | | | |
| Mudg' | b | [illegible] | [illegible] | 0 |
| Maitland. | b | [illegible] | [illegible] | 0 |
| Hill End. | . | — | | 0·22 |
| Newcastle | b | 75 | [illegible] | 0 |
| Orange .. | b | 87 | [illegible] | 0 |
| Bathurst | b | [illegible] | [illegible] | 0 |
| Forbes . | b | [illegible] | [illegible] | 0 |
| M. Vict'ria | b | [illegible] | [illegible] | 0·60 |
| Carcoar . | b | [illegible] | [illegible] | 0 |
| Cond'b'lin | b | [illegible] | [illegible] | 0 |
| Marsdens | b | 95 | [illegible] | 0 |
| Picton .. | b | 78 | 54 | 0 |
| Sydney .. | b | 77 | [illegible] | 0·26 |
| Wentw'th | b | 89 | 59 | 0 |
| Young . | b | 95 | 63 | 0 |
| Woll'g'ng | b | 81 | 62 | 0 |
| Taralga.. | b | 79 | 56 | 0·31 |
| Hay .... | b | 92 | 60 | 0 |

| Stations. | WT | M'x | Vn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 60 | 0 |
| Deniliquin. | b | 91 | 52 | 0 |
| Moruya .. | b | 75 | 61 | 0 |
| Kiandra.. | c | 75 | 44 | 0 |
| Albury ... | b | 97 | 58 | 0 |
| Bodalla.. | b | — | 55 | 0 |
| Cooma ... | b | 85 | 56 | 0 |
| Eden .... | b | 78 | 75 | 0 |

34 29·97 F 70 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 73 | 56 | 0 |
| Euston | b | 91 | 45 | 0 |
| G'lburn | b | 82 | 52 | 0 |
| Wagga. | b | 97 | 53 | 0 |
| C Geo' | b | 79 | 47 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 27. 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10h. 4m. 50·81s. *E.*

Average Annual Rainfall for 24 years 50·640.
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to February 27 16·374
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | r | 81 | 61 | 0 |
| Tent'rfield | g | 72 | 55 | 0 |
| Clarence . | c | 78 | 67 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | g | 80 | 65 | 0 |
| Gl n Inn's | g | 73 | 52 | 0 |
| Inverell. | . | — | — | — |
| Bourke | r | 82 | 68 | 0·12 |
| Narrabri . | . | — | — | — |
| Armidale. | . | — | — | — |
| Bendem'r | b | 75 | 57 | 0 |
| Gunned'h | c | 91 | 70 | 0 |
| C'n'mble . | b | 91 | 62 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 67 | 45 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | g | 87 | 61 | 0 |
| P. M'cqrie | . | — | — | — |
| W'lcannia | r | — | — | 0 |
| Murr'ndi . | c | 79 | 62 | 0 |
| Taree . | . | — | — | — |
| Cassilis | b | 80 | 64 | 0 |
| Muss'br'k | b | 87 | 60 | 0 |
| Dubbo . | c | 88 | 72 | 0 |
| Menindie. | g | 95 | 70 | 0 |
| Singleton | b | 82 | 32 | 0 |
| Nels'n's B· | c | 83 | 60 | 0 |
| Mudg' | b | 93 | 61 | 0 |
| Maitland. | b | 84 | 60 | 0 |
| Hill End. | . | — | — | 0 |
| N'wcastle | b | 78 | 63 | 0 |
| Orange .. | c | 81 | 57 | 0 |
| Bathurst | b | 86 | 54 | 0 |
| Forbes .. | g | 94 | 59 | 0 |
| M. Vict'ria | b | 79 | 50 | 0 |
| Carcoar . | b | 87 | 60 | 0 |
| Cond'b'lin | g | 84 | 75 | 0 |
| Marsdens | c | 95 | 68 | 0 |
| Picton .. | b | 79 | 52 | 0 |
| Sydney . | b | 76 | 64 | 0 |
| Wentw'th | b | 85 | 56 | 0 |
| Young . | b | 99 | 63 | 0 |
| Woll'g'ng | b | 81 | 61 | 0 |
| Taralga.. | b | 86 | 59 | 0 |
| ay .... | b | 98 | 67 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 78 | 60 | 0 |
| Euston | b | 99 | 67 | 0 |
| G'lburn | b | 88 | 52 | 0 |
| Wagga. | b | 96 | 66 | 0 |
| C Geo' | b | 77 | 70 | 0 |

| Stations. | WT | M,X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 83 | 63 | 0 |
| Deniliquin. | b | 99 | 70 | 0 |
| Moruya... | o | 77 | 63 | 0 |
| Kiandra.. | b | 75 | 47 | 0 |
| Albury ... | g | 99 | 65 | 0·25 |
| Bodalla.. | b | — | 58 | 0 |
| Cooma ... | c | 89 | 57 | [illegible] |
| Eden .... | b | 75 | 71 | 0 |

TIME ... Dropsat ... or 2h. 55m. 9·10s. a.m. Greenwich Mn. Time. MAG. VAR. 9°35′30″ E.

Fine wind N. Cloudy and E. Storm, wind S. Raining wind W.
If it is calm the symbol is used without the arrow
... heavy ... very heavy

Barometers fall n about 0 10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. FEB 28. 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

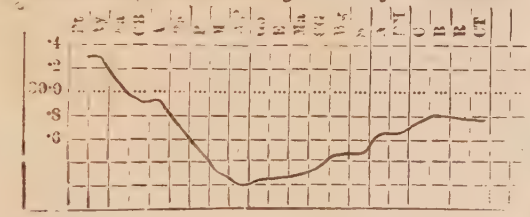
Average Annual Rainfall for 24 years ...40.

Average for 25 years from Jan. 1st to January 31 3·645

Total Rainfall from Jan. 1st to February 28 16·484

Barometers corrected to 32° Fah. and Mean Sea Level

23 30·28 R 68 *Curve showing state of Barometer.*




| STATIONS. | | | | |
|---|---|---|---|---|
| Cusino | b | 84 | 64 | 0 |
| Tent'rfield | g | 75 | 45 | 0 |
| Clarence .. | b | 85 | 60 | 0 |
| Moree | p | 82 | — | 0·03 |
| Grafton | b | 82 | 67 | 0 |
| Gl'n Inn's | r | 73 | 53 | 0·04 |
| Inverell | . | — | — | — |
| Bourke | g | 85 | 57 | 1·08 |
| Narrabri .. | r | 96 | 30 | 0·10 |
| Arm'dale. | g | 75 | 40 | 0·07 |
| Bendem'r | q | 84 | 61 | 0·03 |
| Gunned'h | c | 91 | 51 | 0 |
| C'n mble . | c | 86 | 50 | 1·03 |
| Kempsey | . | — | — | — |
| Waicha.. | c | 70 | 42 | 0 |
| Tamw'rth | c | 92 | 52 | 0 |
| Coonab'n. | p | 85 | 58 | 0·97 |
| P. M'eqrie | g | 82 | 71 | 0 |
| W'lcannia | . | — | — | 0·38 |
| Murr'ndi .. | r | 80 | 60 | 0·04 |
| Taree | . | — | — | — |
| Cassilis | g | 82 | 54 | 0 |
| Bluss br'k | b | 93 | 69 | 0 |
| Dubbo .. | g | 87 | 68 | 0·87 |
| Menindie. | b | 76 | 57 | 0·08 |
| Singleton | r | 81 | 3' | 0·01 |
| Nels'n's R' | g | 87 | 60 | 0 |
| Mudg' | r | 84 | 63 | 1·30 |
| Maitland. | g | 81 | 70 | 0·03 |
| Hill End. | r | — | — | 1·15 |
| N'weastle | g | 79 | 62 | 0·03 |
| Orange .. | r | 80 | 60 | 1·05 |
| Bathurst | b | 80 | 62 | 0·43 |
| Forbes .. | g | 85 | 54 | 0·67 |
| M. Vict'ria | g | 79 | 52 | 0·20 |
| Carcoar .. | r | 86 | 50 | 0·45 |
| Cond'b'lin | g | 82 | 72 | 0·65 |
| Marsdens | c | 84 | 63 | 0·92 |
| Picton .. | g | 78 | 57 | 0·13 |
| Sydney . | c | 75 | 67 | 0·08 |
| Wentw'th | b | 89 | 54 | 0·30 |
| Young . | g | 92 | 58 | 1·33 |
| Woll'g'ng | c | 79 | 62 | 0 15 |
| Taralga.. | b | 80 | 57 | 0·48 |
| ay .... | . | — | — | — |

| Stations. | WT | M | X | Mn | R²in |
|---|---|---|---|---|---|
| Queanbe'an | g | 86 | 63 | 1·90 | |
| Deniliquin. | g | 93 | 55 | 0 | |
| Moruya .. | g | 76 | 65 | 0·46 | |
| Kiandra . | . | — | — | — | |
| Albury ... | c | 90 | 58 | 0·43 | |
| Bodalla.. | b | — | 63 | 0·20 | |
| Cooma .. | g | 89 | 58 | 0·20 | |
| Eden .... | g | 79 | 65 | 0·10 | |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 75 | 61 | 0·21 |
| Euston | b | 99 | 49 | 0 |
| G'lburn | b | 86 | 61 | 0·23 |
| Wagga. | g | 93 | 50 | 1·05 |
| C Geo' | c | 75 | 50 | 0·07 |

R 77

TIME BALL
Drops at 1 p.m, S M T
or 2h. 55m. 9·19s, a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

B 79

C 28 76

PM 42 76

N 2 70

S 8 71

W E S

Wg 56 68

CG 56 69

Ma 28 70

E 14 68

Go

WP 48 58

56 29·78 R 69

CLOUDY GENERALLY.

56 29·89 F 58

13 59 A 42 29·65 F 57

34 57

34 56 Re

23 29·57 F 62

56 59 P M CO

Barometers fall n about 0·50 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 1. 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | | |
|---|---|---|---|
| Average Annual Rainfall for 24 years | | | 50·640. |
| Average for 25 years from Jan. 1st to | | January 31 | 3·645 |
| Total Rainfall from Jan. 1st to | | March 1 | 16·454 |

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | m'x | vp | a'in |
|---|---|---|---|---|
| Casino .. | c | 89 | 65 | 0 |
| Tent'rfield | b | 74 | 51 | 0 |
| Clarence . | c | 84 | 67 | 0 |
| Moree | b | 82 | — | 0·08 |
| Grafton | g | 90 | 66 | 0 |
| Glen Inn's | b | 63 | 43 | 0·16 |
| Inverell. | o | 82 | 41 | 0·30 |
| Bourke | o | 79 | 56 | 0 |
| Narrabri. | b | 87 | 54 | 0 |
| Armidale. | b | 74 | — | 0·12 |
| Bendem'r | b | 75 | 42 | 0·24 |
| Gunned'h | . | — | — | — |
| C'n'mble . | b | 78 | 45 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 65 | 35 | 0·12 |
| Tamw'rth | b | 85 | 57 | 0 |
| Coonab'n. | b | 77 | 46 | 0·03 |
| P. M'cqrie | b | 82 | 61 | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi. | b | 78 | 53 | 0 |
| Taree. | b | 90 | 63 | 0 |
| Cassilis | b | 76 | 52 | 0 |
| Muss br'k | b | 88 | 51 | 0 |
| Dubbo . . | b | 76 | 57 | 0 |
| Menindie. | b | 79 | 54 | 0 |
| Singleton | b | 80 | 30 | 0·03 |
| Nels'n's B | b | 69 | 55 | 0 |
| 0 63 | | | | |
| Mudg' | o | 76 | 49 | 0 |
| Maitland. | b | 87 | 57 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 88 | 55 | 0 |
| Orange .. | b | 66 | 43 | 0·02 |
| Bathurst | b | 69 | 56 | 0 |
| Forbes .. | b | 75 | 54 | 0 |
| M. Vict'ria | b | 66 | 40 | 0 |
| Carcoar . | b | 77 | 45 | 0·05 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 69 | 55 | 0 |
| Picton .. | b | 79 | 49 | 0 |
| Sydney . | . | 85 | 58 | 0 |
| Wentw'th | b | 70 | 48 | 0 |
| Young . | b | 75 | 43 | 0 |
| Wolt'g'ng | b | 85 | 52 | 0 |
| Taralga.. | b | 75 | 38 | 0 |
| ay .... | b | 69 | 49 | 0 |

| Stations. | WT | M. | X | Mn. | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 71 | 48 | 0·03 | |
| Deniliquin. | o | 70 | 44 | 0 | |
| Moruya .. | b | 82 | 45 | 0 | |
| Kiandra .. | c | 44 | 30 | 0·12 | |
| Albury .... | b | 64 | 44 | 0·03 | |
| Bodalla.. | b | — | 40 | 0 | |
| Cooma . . | c | 69 | 36 | 0 | |
| Eden .... | . | — | — | — | |

| | | | |
|---|---|---|---|
| M'ss V'l | . | — | — — |
| Euston | b | 71 | 38 0 |
| G'lburn | b | 70 | 42 0 |
| Wagga. | b | 93 | 54 0 |
| C Geo' | b | 79 | 56 0 |

13 30·36 R 75 *Curve showing state of Barometer.*

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 2. 1883.

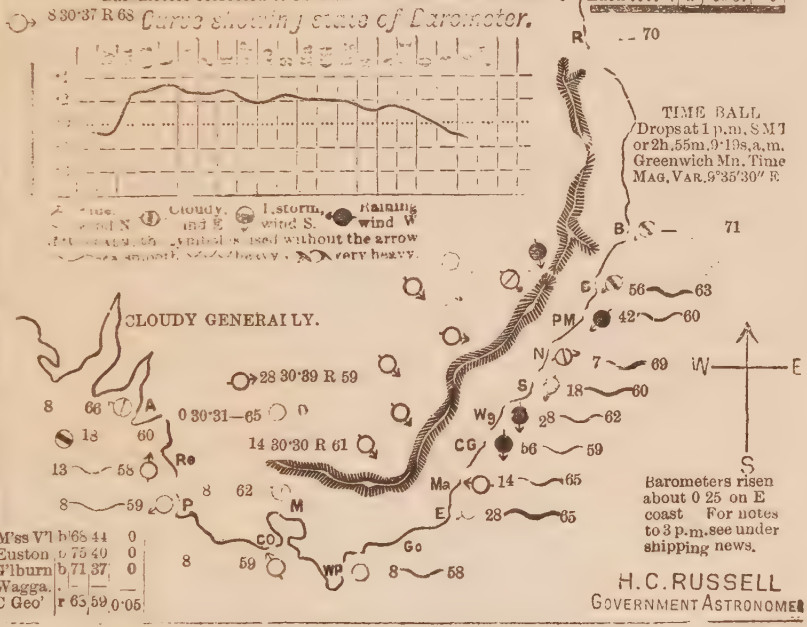
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to March 2 16·509
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino | p | 81 | 55 | 0·04 |
| Tent'rfield | g | 75 | 50 | 0 |
| Clarence . | g | 84 | 61 | 0·03 |
| Meree | b | 82 | | 0 |
| Grafton | g | 83 | 63 | 0 |
| Gl'n Inn's | b | 73 | 45 | 0 |
| Inverell. | c | 79 | 43 | 0 |
| Bourke | . | — | — | — |
| Narrabri . | b | 90 | 55 | 0 |
| Armidale. | c | 67 | | 0 |
| Bendem'r | r | 68 | 52 | 0·04 |
| Gunned'h | c | 82 | 61 | 0 |
| C'n'mble . | b | 70 | 46 | 0 |
| Kempsey | . | — | | — |
| Walcha.. | c | 62 | 40 | 0 |
| Tamworth | c | 78 | 55 | 0 |
| Coonab'n. | b | 68 | 50 | 0 |
| P. M'cqrie | p | 73 | 59 | 0·62 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | g | 71 | 57 | 0 |
| Taree | g | 89 | 62 | 0 |
| Cassilis | b | 75 | 60 | 0 |
| Muss'br'k | g | 79 | 57 | 0 |
| Dubbo . | . | — | — | — |
| Menindie. | b | 74 | 54 | 0 |
| Singleton | r | 80 | 31 | 0 |
| Nels'n's B | p | 76 | 55 | 0·25 |
| 13 69 | | | | |
| Mudg' | b | 82 | 51 | 0 |
| Maitland. | g | 76 | 59 | 0 |
| Hill End. | b | — | — | 0 |
| N wcastle | q | 78 | 59 | 0·05 |
| Orange .. | : | — | — | — |
| Bathurst | b | 66 | 47 | 0 |
| Forbes .. | . | — | — | — |
| M.Vict'ria | g | 66 | 40 | 0 |
| Carcoar . | b | 80 | 45 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 70 | 59 | 0 |
| Picton .. | b | 71 | 36 | 0 |
| Sydney | p | 71 | 59 | 0·55 |
| Wentw'th | b | 71 | 50 | 0 |
| Young . | b | 80 | 45 | 0 |
| Woll'g'ng | d | 84 | 52 | 0·05 |
| Taralga.. | b | 83 | 37 | 0 |
| ay .... | . | — | — | — |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 65 | 45 | 0 |
| Deniliquin. | o | 71 | 50 | 0 |
| Moruya .. . | b | 74 | 54 | 0 |
| Kiandra.. | . | — | — | — |
| Albury ... | b | 71 | 40 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma ... | b | 67 | 35 | 0 |
| Eden .... . | b | 69 | 57 | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 68 | 44 | 0 |
| Euston | b | 75 | 40 | 0 |
| G'lburn | b | 71 | 37 | 0 |
| Wagga. | . | — | — | — |
| C Geo' | r | 63 | 59 | 0·05 |

# WEATHER MAP.

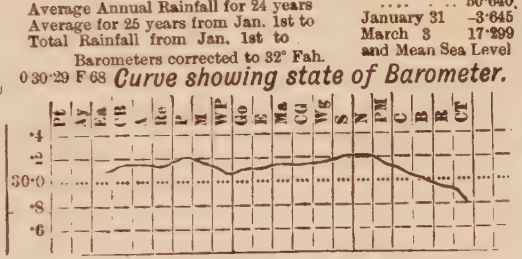
From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to January 31 –3·645
Total Rainfall from Jan. 1st to March 3 17·299
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·29 F 68 *Curve showing state of Barometer.*




Fine. Cloudy. T.storm. Raining.
wind N. wind E wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

23 30·11 — 74

CLOUDY GENERALLY.

14 30·30 F 67

13 75 A 0 30·27 F 69

13 65 R

13 59

13 60 P 8 67 M

8 61 CG WP 13 64

Go 13 56

Ma 28 60

E

Wg 14 68

S 5 61

N 6 75

PM 42 67

E 42 70

B 77

R 75

TIME BALL
Drops at 1 p.m, SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·05 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M'X | MN | R'IN |
|---|---|---|---|---|
| Casino . | b | 71 | 61 | 0 |
| Tent'rfield | b | 54 | 48 | 0 |
| Clarence . | g | 84 | 61 | 0 |
| Moree . | b | 83 | - | 0 |
| Grafton | b | 82 | 62 | 0 |
| Gl n Inn's | b | 67 | 48 | 0 |
| Inverell. | b | 80 | 50 | 0 |
| Bourke | b | 85 | 59 | 0 |
| Narrabri . | b | 90 | 40 | 0 |
| Armidale. | c | 60 | | 0 |
| Bendem'r | c | 65 | 53 | 0·40 |
| Gunned'h | b | 77 | 60 | 0 |
| C'n'mble . | b | 80 | 57 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 61 | 37 | 0 |
| Tamw'rth | b | 85 | 51 | 0·03 |
| Coonab'n. | b | 74 | 47 | 0 |
| P. M'cqrie | b | 73 | 60 | 0·08 |
| W'lcannia | c | — | — | 0 |
| Murr'ndi . | c | 67 | 57 | 0 |
| Taree | g | 71 | 61 | 0·03 |
| Cassilis | c | 71 | 51 | 0 |
| Muss'br'k | b | 73 | 56 | 0 |
| Dubbo . | b | 74 | 57 | 0 |
| Menindie. | . | — | — | — |
| Singleton | b | 78 | 35 | 0 |
| Nels'n's R | b | 78 | 61 | 0·02 |
| 18 80 | | | | |
| Mudg' | o | 81 | 51 | 0 |
| Maitland. | c | 71 | 59 | 0·22 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 77 | 58 | 0·68 |
| Orange .. | c | 67 | 44 | 0 |
| Bathurst | b | 70 | 42 | 0 |
| Forbes .. | b | 76 | 54 | 0 |
| M. Vict'ria | b | 58 | 43 | 0 |
| Carcoar . | b | 82 | 41 | 0 |
| Cond'b'lin | b | 75 | 54 | 0 |
| Marsdens | . | — | — | — |
| Picton .. | . | — | — | — |
| Sydney . | c | 65 | 55 | 0·79 |
| Wentw'th | b | 78 | 52 | 0 |
| Young . | . | — | — | — |
| Woll'g'ng | b | 72 | 55 | 0 |
| Taralga.. | b | 75 | 55 | 0 |
| Hay .... | b | 80 | 56 | 0 |
| M'ss V'l | b | 61 | 18 | 0 |
| Euston | b | 83 | 40 | 0 |
| G'lburn | b | 72 | 42 | 0 |
| Wagga. | b | 76 | 42 | 0 |
| C Geo' | b | 67 | 40 | 0 |

| Stations. | WT | M'X | MN | R'IN |
|---|---|---|---|---|
| Queanbe'an | b | 68 | 50 | 0 |
| Deniliquin. | o | 82 | 49 | 0 |
| Moruya .. | b | 71 | 53 | 0·07 |
| Kiandra.. | b | 67 | 38 | 0 |
| Albury ... | . | — | — | — |
| Bodalla.. | . | — | 46 | 0 |
| Cooma .... | b | 73 | 39 | 0 |
| Eden .... | . | — | — | — |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 5 1883.

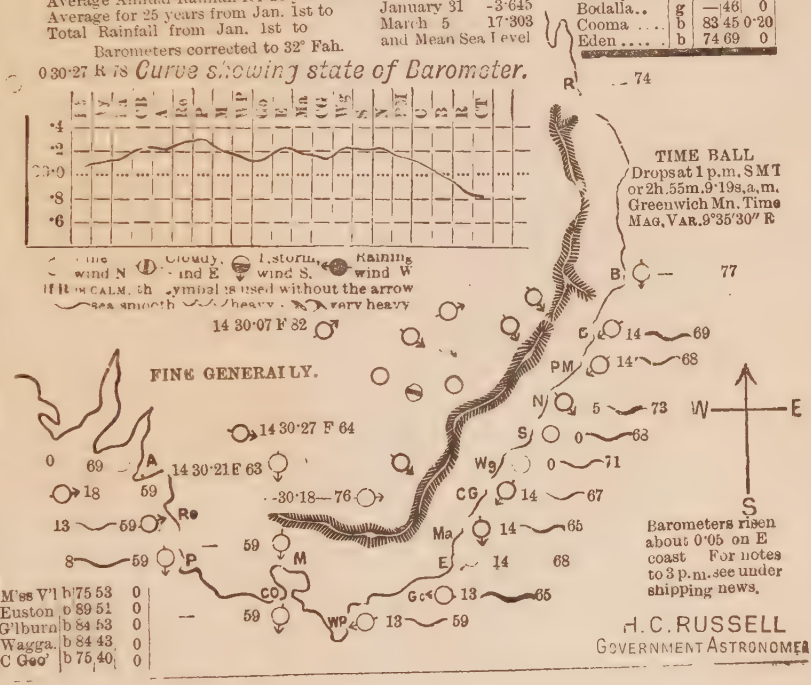
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years 50·640.
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to March 5 17·303
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 74 | 53 | 0 |
| Deniliquin. | o | 89 | 53 | 0 |
| Moruya .. .. | b | 74 | 59 | 0 |
| Kiandra .. | b | 78 | 39 | 0 |
| Albury .. | b | 90 | 47 | 0 |
| Bodalla.. | g | — | 46 | 0 |
| Cooma .... | b | 83 | 45 | 0·20 |
| Eden .... . | b | 74 | 69 | 0 |

| STATIONS | | M'X | Mn | R'in |
|---|---|---|---|---|
| Casino | b | 83 | 52 | 0 |
| Tent'rfield | b | 76 | 46 | 0 |
| Clarence . | b | 76 | 63 | 0 |
| Moree | b | 92 | | 0 |
| Grafton | b | 84 | 59 | 0 |
| Gl'n Inn's | g | 81 | 46 | 0 |
| Inverell. | b | 80 | 47 | 0 |
| Bourke | b | 90 | 65 | 0 |
| Narrabri . | b | 90 | 50 | 0 |
| Armidale. | b | 72 | | 0 |
| Bendem'r | b | 72 | 30 | 0 |
| Gunned'h | b | 89 | 59 | 0 |
| C'n'mble . | b | 86 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 68 | 40 | 0 |
| Tamw'rth | b | | 49 | 0 |
| Coonab'n. | b | 82 | 45 | 0 |
| P. M'cqrie | b | 77 | 59 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | o | 75 | 52 | 0 |
| Taree | b | 77 | 60 | 0 |
| Cassilis | b | 76 | 53 | 0 |
| Muss'br'k | o | 83 | 56 | 0 |
| Dubbo . | b | 80 | 61 | 0 |
| Menindie. | b | 92 | 60 | 0 |
| Singleton | b | 78 | 55 | 0 |
| Nels'n's B' | . | — | — | — |
| 13 71 Mudg | o | 90 | [illegible] | 0 |
| Maitland. | b | 73 | 5[illegible] | 0 |
| Hill End. | b | — | — | 0 |
| N'weastle | b | 77 | 62 | 0 |
| Orange .. | c | 72 | 48 | 0 |
| Bathurst | b | 81 | 45 | 0 |
| Forbes .. | b | 77 | 58 | 0 |
| M. Vict'ria | b | 72 | 48 | 0 |
| Carcoar . | b | 81 | 45 | 0 |
| Coud'b'lin | b | 77 | 58 | 0 |
| Marsdens | b | 86 | 67 | 0 |
| Picton .. | b | 76 | 45 | 0 |
| Sydney . | b | 73 | 59 | 0 |
| Wentw'th | b | 85 | 55 | 0 |
| Young . | b | 96 | 53 | 0 |
| Woll'g'ng | b | 80 | 48 | 0 |
| Taralga.. | b | 70 | 42 | 0 |
| Hay .... | b | 90 | 57 | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | b | 75 53 | 0 |
| Euston | b | 89 51 | 0 |
| G'lburn | b | 84 53 | 0 |
| Wagga. | b | 84 43 | 0 |
| C Geo' | b | 75 40 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 6 1883.

**Sydney Observatory.**

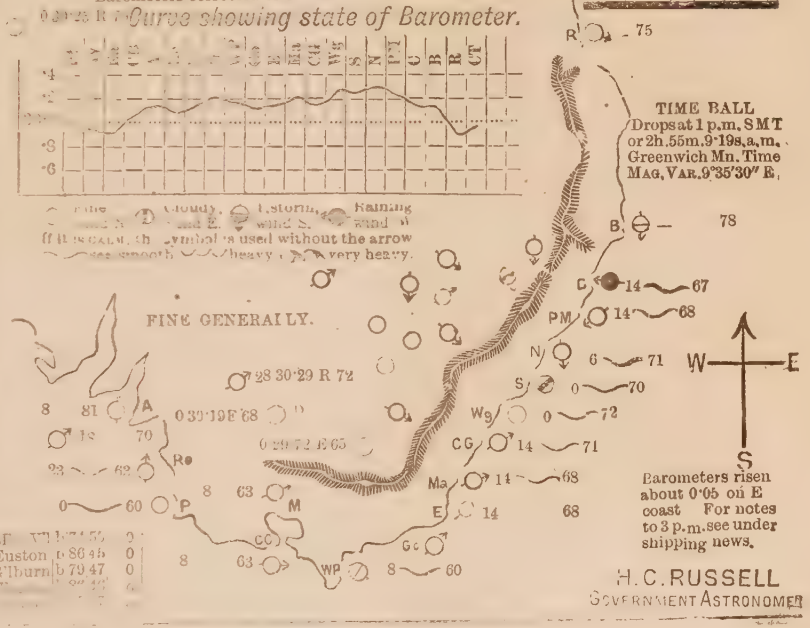
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to March 6 17·303
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X. | Mn | R.In. |
|---|---|---|---|---|
| Queanbe'an | b | 76 | 56 | 0 |
| Deniliquin. | b | 86 | 49 | 0 |
| Moruya.... | b | 75 | 57 | 0 |
| Kiandra.. | b | 81 | 57 | 0 |
| Albury ... | b | 82 | 48 | 0 |
| Bodalla.. | b | — | 51 | 0 |
| Cooma .... | b | 80 | 48 | 0·03 |
| Eden .... | b | 75 | 61 | 0·10 |

| Stations. | WT | M.X. | Mn | R.In. |
|---|---|---|---|---|
| Casino . | b | [illegible] | | 0 |
| Tent'rfield | g | 72 | 50 | 0 |
| Clarence . | p | 79 | 67 | 0·55 |
| Moree | b | 92 | - | 0 |
| Grafton | b | 85 | 65 | 0 |
| Gl'n Inn's | b | 71 | 47 | 0 |
| Inverell. | b | 80 | 53 | 0 |
| Bourke | b | 93 | [illegible] | 0 |
| Narrabri . | b | 101 | 52 | 0 |
| Armidale. | b | [illegible] | | 0 |
| Bendem'r | b | 74 | 45 | 0 |
| Gunned'h | b | 88 | 62 | 0 |
| C'n'mble | b | 89 | 62 | 0 |
| Kempsey | . | — | - | -- |
| Walcha.. | b | [illegible] | 57 | 0 |
| Tamw'rth. | b | [illegible] | 2 | 0 |
| Coonab'n. | b | [illegible] | 45 | 0 |
| P. M'cqrie | b | 77 | [illegible] | 0 |
| W'leannia | b | | | 0 |
| Murr'ndi . | b | 75 | [illegible] | 0 |
| Taree | b | [illegible] | | 0 |
| Cassilis | b | [illegible] | | |
| Muss'br'k | b | [illegible] | | 0 |
| Dubbo . | b | [illegible] | | 0 |
| Menindie. | b | [illegible] | | 0 |
| Singleton | b | [illegible] | | 0 |
| Nels'n's B. | | [illegible] | | 0 |
| 0 79 Mudg' | b | [illegible] | | 0 |
| Maitland. | b | 7[illegible] | 58 | 0 |
| Hill End. | b | | | 0 |
| N'wcastle | b | 7[illegible] | | 0 |
| Orange .. | b | [illegible] | | 0 |
| Bathurst | b | [illegible] | 47 | 0 |
| Forbes .. | b | [illegible] | | 0 |
| M. Vict'ria | b | 74 | [illegible] | 0 |
| Carcoar . | b | [illegible] | | 0 |
| Cond'b'lin. | . | — | — | . |
| Marsdens | b | [illegible] | | 0 |
| Picton . | b | 77 | 59 | 0 |
| Sydney . | g | 74 | [illegible] | 0 |
| Wentw'th | b | [illegible] | | 0 |
| Young . | b | [illegible] | | 0 |
| Woll'g'ng | b | [illegible] | | 0 |
| Tar[illegible] | | | | |
| Hay .. | | | | |

| | | | |
|---|---|---|---|
| M[illegible] | b | 74 55 | 0 |
| Euston | b | 86 45 | 0 |
| G'lburn | b | 79 47 | 0 |
| [illegible] | | [illegible] | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 7 1883.

Sydney Observatory.

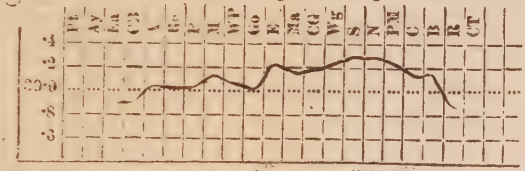
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to March 7 17·304
Barometers corrected to 32° Fah. and Mean Sea Level

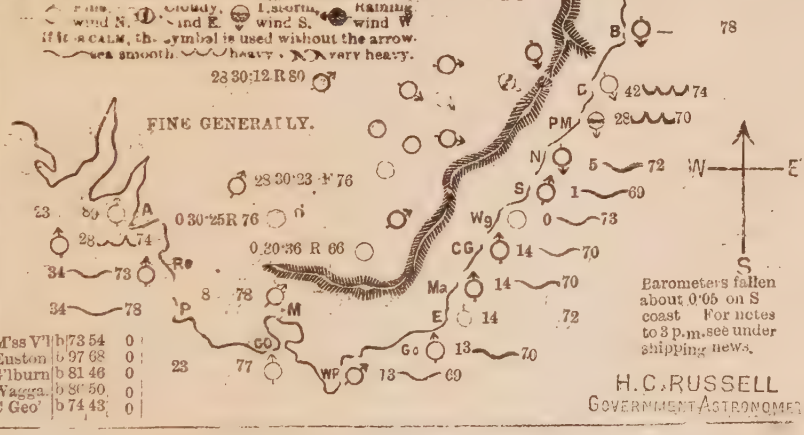
| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 85 | 54 | 0 |
| Tent'rfield | g | 72 | 49 | 0 |
| Clarence . | b | 79 | 55 | 0 |
| Moree . | b | 92 | - | 0 |
| Grafton | b | 82 | 61 | 0 |
| Gl'n Inn's | b | 79 | 48 | 0 |
| Inverell. | b | 79 | 53 | 0 |
| Bourke | b | 91 | 67 | 0 |
| Narrabri . | b | 100 | 53 | 0 |
| Armidale. | b | 70 | - | 0 |
| Bendem'r | b | 75 | 47 | 0 |
| Gunned'h | b | 87 | 60 | 0 |
| C'n'mble . | b | 84 | 74 | 0 |
| Kempsey . | | — | - | — |
| Walcha.. | b | 65 | 40 | 0 |
| Tamw'rth | b | | 52 | 0 |
| Coonab'n. | b | 83 | 47 | 0 |
| P. M'cqrie | g | 74 | 60 | 0·27 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 77 | 54 | 0 |
| Taree | g | 79 | 61 | 0·36 |
| Cassilis | c | 77 | 67 | 0 |
| Muss'br'k | b | 85 | 54 | 0 |
| Dubbo . | b | 83 | 65 | 0 |
| Menindie. | b | 93 | 63 | 0 |
| Singleton | b | 80 | 58 | 0 |
| Nels'n's B | b | 83 | 47 | 0 |
| 28 71 Mudg' | b | 89 | 55 | 0 |
| Maitland. | b | 80 | 56 | 0 |
| Hill End. | b | -- | — | 0 |
| N'wcastle | b | 75 | 65 | 0 |
| Orange .. | b | 75 | 59 | 0 |
| Bathurst | b | 80 | 49 | 0 |
| Forbes .. | b | 79 | 59 | 0 |
| M. Vict'ria | b | 71 | 42 | 0 |
| Carcoar . | b | 87 | 55 | 0 |
| Cond'b'lin | b | 78 | 60 | 0 |
| Marsdens | b | 89 | 66 | 0 |
| Picton .. | b | 79 | 50 | 0 |
| Sydney . | b | 75 | 59 | 0 |
| Wentw'th | b | 87 | 55 | 0 |
| Young . | b | 96 | 61 | 0 |
| Woll'g'ng | b | 82 | 54 | 0 |
| Taralga.. | b | 68 | 45 | 0 |
| Hay .... | b | 91 | 58 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 77 | 57 | 0 |
| Deniliquin. | b | 91 | 59 | 0 |
| Moruya .. | b | 77 | 67 | 0 |
| Kiandra .. | b | 80 | 32 | 0 |
| Albury ... | b | 90 | 49 | 0 |
| Bodalla.. | b | — | 51 | 0 |
| Cooma .... | b | 84 | 56 | 0 |
| Eden .... | b | 75 | 61 | 0 |

0 30·08 F 8 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. Thunderstorm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.




| | | | |
|---|---|---|---|
| M'ss V'l | b | 73 54 | 0 |
| Euston | b | 97 68 | 0 |
| G'lburn | b | 81 46 | 0 |
| Wagga. | b | 86 50 | 0 |
| C Geo' | b | 74 43 | 0 |

Barometers fallen about 0·05 on S coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 8 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

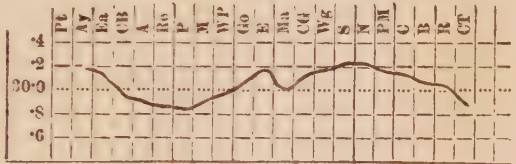
Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to January 31 3·645
Total Rainfall from Jan. 1st to March 8 17·307
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | c | 86 | 55 | 0·08 |
| Tent'rfield | b | 80 | 60 | 0 |
| Clarence . | c | 77 | 65 | 0·31 |
| Moree .. | b | 93 | — | 0 |
| Grafton . | b | 84 | 61 | 0 |
| Gl n Inn's | b | 76 | 46 | 0 |
| Inverell . | b | 79 | 53 | 0 |
| Bourke | b | 91 | 68 | 0 |
| Narrabri . | b | 100 | 50 | 0 |
| Armidale. | g | 71 | — | 0 |
| Bendem'r | b | 74 | 43 | 0 |
| Gunned'h | b | 89 | 61 | 0 |
| C'n'mble . | b | 88 | 63 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 66 | 40 | 0 |
| Tamw'rth | b | — | 55 | 0 |
| Coonab'n. | b | 84 | 47 | 0 |
| P. M'cqrie | b | 78 | 61 | 0·10 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | o | 77 | 54 | 0 |
| Taree.. | b | 74 | 61 | 0 |
| Cassilis | b | 77 | 57 | 0 |
| Muse'br'k | o | 86 | 54 | 0 |
| Dubbo . | b | 83 | 63 | 0 |
| Menindie. | o | 91 | 70 | 0 |
| Singleton | b | 80 | 60 | 0 |
| Nels'n's P. | b | 88 | 57 | 0 |
| 8 68 | | | | |
| Mudg' | o | 90 | 49 | 0 |
| Maitland. | b | 81 | 57 | 0 |
| Hill End. | b | — | — | 0 |
| N 'wcastle | b | 77 | 60 | 0 |
| Orange .. | b | 76 | 51 | 0 |
| Bathurst | b | 80 | 47 | 0 |
| Forbes .. | b | 82 | 60 | 0 |
| M. Vict'ria | b | 71 | 49 | 0 |
| Carcoar . | b | 82 | 58 | 0 |
| Coud'b'lin | b | 89 | 75 | 0 |
| Marsdens | b | 91 | 62 | 0 |
| Picton .. | b | 76 | 49 | 0 |
| Sydney .. | b | 75 | 60 | 0 |
| Wentw'th | b | 99 | 67 | 0 |
| Young . | b | 101 | 54 | 0 |
| Woll 'g'ng | c | 81 | 53 | 0 |
| Paralga.. | b | 70 | 40 | 0 |
| Hay .... | b | 95 | 60 | 0 |

| Stations. | WT. | M. X | Mn. | R'in. |
|---|---|---|---|---|
| Queanbe'an | b | 75 | 65 | 0 |
| Deniliquin. | o | 93 | 64 | 0 |
| Moruya .. . | b | 75 | 54 | 0 |
| Kiandra... | b | 82 | 38 | 0 |
| Albury ... | b | 92 | 53 | 0 |
| Bodalla.. | b | — | 48 | 0 |
| Cooma ... | b | 89 | 45 | 0 |
| Eden .... . | b | 75 | 53 | 0 |

| M'ss V'l | b | 76 | 52 | 0 |
|---|---|---|---|---|
| Euston | b | - - | 63 | 0 |
| G'lburn | b | 83 | 45 | 0 |
| Wagga. | b | 88 | 50 | 0 |
| C Geo' | b | 75 | 41 | 0 |

## *Curve showing state of Barometer.*




wind N. Cloudy. Storm. Raining.
wind E wind S. wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 9 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to January 31 -3·645
Total Rainfall from Jan. 1st to March 9 17·307
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino . | b | 84 | 60 | 0 |
| Tent'rfield | b | 75 | 50 | 0 |
| Clarence . | b | 77 | 66 | 0·29 |
| Moree | b | 93 | - | 0 |
| Grafton | b | 87 | 64 | 0 |
| Gl'n Inn's | b | 78 | 56 | 0 |
| Inverell. | b | 79 | 52 | 0 |
| Bourke | b | 97 | 72 | 0 |
| Narrabri . | b | 102 | 55 | 0 |
| Armidale. | . | — | | -- |
| Bendem'r | b | 77 | 50 | 0 |
| Gunned'h | b | 89 | 64 | 0 |
| C'n'mble . | b | 86 | 62 | 0 |
| Kempsey | . | — | | -- |
| Walcha.. | b | 67 | 36 | 0 |
| Tamw'rth | . | — | | -- |
| Coonab'n. | b | 80 | 42 | 0 |
| P. M'cqrie | b | 76 | 60 | 0·33 |
| W'lcannia | b | [illegible] | | 0 |
| Murr'ndi . | b | 77 | [illegible] | 0 |
| Taree | b | [illegible] | | 0 |
| Cassilis | b | 70 | [illegible] | 0 |
| Muss'br'k | b | [illegible] | | 0 |
| Dubbo . | b | 83 | 64 | 0 |
| Menindie. | b | [illegible] | | 0 |
| Singleton | b | 82 | [illegible] | 0 |
| Nels'n's B. | b | 77 | 55 | 0 |
| 8 67 Mudg' | b | 87 | 53 | 0 |
| Maitland. | b | 80 | 58 | 0 |
| Hill End. | b | -- | — | 0 |
| N'wcastle | b | 75 | 62 | 0 |
| Orange .. | b | 7[illegible] | 49 | 0 |
| Bathurst | b | 87 | 47 | 0 |
| Forbes .. | b | 82 | 60 | 0 |
| M.Vict'ria | b | 73 | 50 | 0 |
| Carcoar . | b | 83 | 55 | 0 |
| Cond'b'lin | g | 80 | 60 | 0 |
| Marsdens | b | 88 | 67 | 0 |
| Picton .. | b | 78 | 55 | 0 |
| Sydney . | b | 75 | 62 | 0 |
| Wentw'th | c | 100 | 55 | 0 |
| Young . | b | 93 | 54 | 0 |
| Woll'g'ng | b | 80 | 58 | 0 |
| Taralga.. | b | 84 | 45 | 0 |
| Hay .... | . | — | — | — |

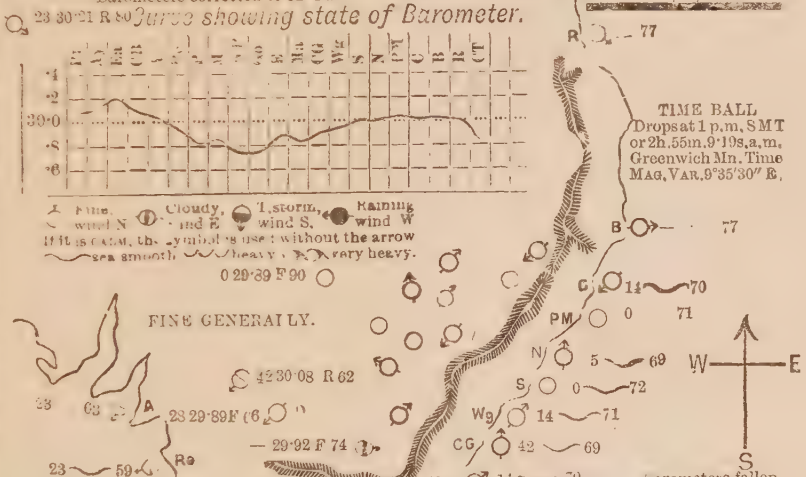
| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 76 | 55 | 0 |
| Deniliquin. | o | 92 | 58 | 0 |
| Moruya .... | b | 74 | 69 | 0 |
| Kiandra.. | b | 88 | 37 | 0 |
| Albury ... | b | 93 | 62 | 0 |
| Bodalla.. | b | [illegible] | | 0 |
| Cooma ... | b | 85 | 45 | 0 |
| Eden .... | b | 75 | 68 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 73 55 | 0 |
| Euston | b | 98 52 | 0 |
| G'lburn | b | 81 46 | 0 |
| Wagga. | b | 88 53 | 0 |
| C Geo' | b | 74 45 | 0 |

23 30·21 R 80 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W.
If it is calm, the symbol is used without the arrow
sea smooth heavy very heavy.




Barometers fallen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 10 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years . . . . . 50·040.
Average for 25 years from Jan. 1st to January 31 3·645
Total Rainfall from Jan. 1st to March 10 17·457

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | WT | M.X | Min | R'fall |
|---|---|---|---|---|
| Casino . | b | 88 | 59 | 0 |
| Tent'rfield | b | 84 | 49 | 0 |
| Clarence . | b | 80 | 67 | 0 |
| Moree | b | 93 | - | 0 |
| Grafton . | b | 87 | 60 | 0 |
| Gl n Inn's | b | 82 | 47 | 0 |
| Inverell. | b | 79 | 53 | 0 |
| Bourke | b | 102 | 65 | 0 |
| Narrabri . | b | 100 | 65 | 0 |
| Armidale. | b | 75 | - | 0 |
| Bendem'r | c | 94 | 51 | 0 |
| Gunned'h | . | - | — | — |
| C'mble . | b | 90 | 64 | 0 |
| Kempsey | b | — | - | 0 |
| Wa.cha.. | b | 72 | 40 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 89 | 47 | 0·11 |
| P. M'cqrie | b | 80 | 62 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 81 | 69 | 0 |
| Tarce | o | 81 | 64 | 0 |
| Cassilis | b | 83 | 60 | 0 |
| Muss'br'k | b | 94 | 62 | 0 |
| Dubbo . | b | 88 | 65 | 0·24 |
| Menindie. | b | 83 | 61 | 0 |
| Singleton | b | 88 | 60 | 0 |
| Nels'n's P. | b | 85 | 56 | 0 |
| Mudg' | o | 94 | 55 | 0 |
| Maitland. | b | 89 | 61 | 0 |
| Hill End. | b | — | — | 0·25 |
| N'wcastle | b | 78 | 65 | 0 |
| Orange .. | b | 71 | 52 | 0·15 |
| Bathurst | b | 87 | 52 | 0·21 |
| Forbes .. | b | 84 | 60 | 0 |
| M. Vict'ria | b | 86 | 53 | 0 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 91 | 62 | 0 |
| Picton .. | b | 82 | 55 | 0·52 |
| Sydney . | b | 75 | 64 | 0·15 |
| Wentw'th | c | 77 | 53 | 0 |
| Young . | b | 92 | 50 | 0·16 |
| Woll'g'ng | b | 80 | 61 | 0·10 |
| Taralga.. | b | 83 | 47 | 0·04 |
| Hay .... | b | 88 | 53 | 0 |
| M'ss V'l | b | 82 | 57 | 0·53 |
| Euston | o | 76 | 43 | 0 |
| G'lburn | b | 89 | 51 | 0 |
| Wagga. | b | 87 | 44 | 0 |
| C Geo' | b | 75 | 45 | 0·29 |

| Stations. | WT | M.X | Min | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 57 | 0·04 |
| Deniliquin. | o | 80 | 52 | 0 |
| Moruya .. . | b | 81 | 60 | 0 |
| Kiandra... | b | 83 | 30 | 0 |
| Albury ... | c | 87 | 49 | 0 |
| Bodalla.. | b | — | 55 | 0 |
| Cooma ... | b | 86 | 45 | 0 |
| Eden .... | g | 71 | 64 | 0·09 |

0 30·21 R 78 *Curve showing state of Barometer.*

Cloudy. T.Storm. raining
wind N. and E wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

FINE GENERALLY.

14 29·89 S 80

28 30·09 R 58

14 29·95 R 60

14 29·92 — 65

28 72 A

23 57 Re

28 56 P 13 63 M

28 55 CO

28 WP 23 58

Ma 14 55

E 14 64

Go

CG 14 71

Wg 14 73

S 6 70

N 2 75

PM 28 74

C 11 72

B 80

R 74

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

W E S

Barometers fallen about 0·20 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MARCH 12 1883.

Sydney Observatory.

*Lat. 33 51' 41" S.; Long 10h. 4m. 50·81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·040 |
| Average for 25 years from Jan. 1st to | February 28 | 9·756 |
| Total Rainfall from Jan. 1st to | March 12 | 17·457 |

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Casino | b | 94 | 64 | 0 |
| Tent'rfield | b | 84 | 44 | 0 |
| Clarence | b | 81 | 67 | 0 |
| Moree | b | 86 | - | 0 |
| Grafton | b | 82 | 62 | 0 |
| Gl'n Inn's | b | 84 | 83 | 0·02 |
| Inverell | b | 81 | 45 | 0 |
| Bourke | b | 93 | 59 | 0 |
| Narrabri | c | 104 | 66 | 0 |
| Armidale | b | 79 | | 0 |
| Bendem'r | b | 64 | 40 | 0 |
| Gunnedah | b | 85 | 55 | 0 |
| C'n'mble | b | 78 | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha | b | 68 | 40 | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n | b | 81 | 42 | 0 |
| P. M'quarie | b | 77 | [illegible] | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi | b | 85 | 59 | 0 |
| Taree | g | 87 | 61 | 0 |
| Cassilis | b | 85 | 63 | 0 |
| Muss'br'k | b | 83 | 49 | 0 |
| Dubbo | b | 88 | 55 | 0 |
| Menindie | b | 73 | 55 | 0 |
| Singleton | b | 81 | 55 | 0 |
| Nels'n's B' | b | 81 | 55 | 0 |
| Mudg' | b | 81 | 46 | 0 |
| Maitland | b | 88 | 55 | 0·05 |
| Hill End | b | — | — | 0 |
| N'weastle | b | 79 | 65 | 0 |
| Orange | b | 65 | 42 | 0 |
| Bathurst | b | 80 | 42 | 0 |
| Forbes | b | 84 | 58 | 0 |
| M. Vict'ria | | — | — | — |
| Carcoar | b | 78 | 45 | 0 |
| Cond'b'lin | b | 89 | 75 | 0 |
| Marsdens | b | 79 | 50 | 0 |
| Picton | b | 73 | 44 | 0 |
| Sydney | c | 74 | 57 | 0 |
| Wentw'th | b | 72 | 53 | 0 |
| Young | b | 85 | 42 | 0 |
| Woll'g'ng | b | 79 | 52 | 0 |
| Taralga | b | 74 | 37 | 0 |
| Hay | g | 80 | 59 | 0 |
| M'ss V'l | b | 67 | 45 | 0 |
| Euston | b | 75 | 42 | 0 |
| G'lburn | b | 73 | 41 | 0 |
| Wagga | g | 78 | 40 | 0 |
| C Geo' | b | 75 | 36 | 0 |

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 74 | 44 | 0·04 |
| Deniliquin | o | 75 | 58 | 0 |
| Moruya | b | 72 | 48 | 0 |
| Kiandra | g | 50 | 35 | 0 |
| Albury | c | 78 | 42 | 0 |
| Bodalla | b | — | 40 | 0 |
| Cooma | b | 79 | 36 | 0 |
| Eden | b | 70 | 53 | 0·12 |

*Curve showing state of Barometer.*

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 14 1883.

Sydney Observatory.

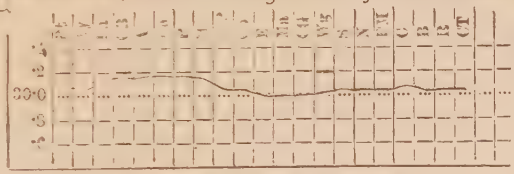
*Lat.* 33° 51′ 41″ *S.*, *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 14 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X. | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 88 | 53 | 0 |
| Tent'rfield | b | 75 | 44 | 0 |
| Clarence . | b | 81 | 64 | 0 |
| Moree | b | 88 | — | 0 |
| Grafton | b | 90 | 63 | 0 |
| Gl'n Inn's . | | — | — | — |
| Inverell | b | 83 | 41 | 0 |
| Bourke | b | 93 | 6[illegible] | 0 |
| Narrabri . | b | 95 | 56 | 0 |
| Armidale. | b | 71 | | 0 |
| Bendem'r | b | 75 | 40 | 0 |
| [illegible] | b | 87 | 55 | 0 |
| C'n'mble . | b | 81 | 52 | 0 |
| [illegible] | | — | — | — |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | — | | |
| [illegible] | | [illegible] | | 0 |
| P. M'cqrie | b | 78 | 62 | 0 |
| [illegible] | | — | | 0 |
| Murr'ndi . | b | 75 | 50 | 0 |
| [illegible] | b | [illegible] | | 0 |
| Cassi'is | b | 82 | 64 | 0 |
| [illegible] | b | [illegible] | | 0 |
| Lubbo . | b | 8[illegible] | 54 | 0 |
| Menindie. | b | 83 | 62 | 0 |
| Singleton | b | 78 | 57 | 0 |
| Nels'n's B. | b | 85 | 58 | 0 |
| 18 76 Mudg' | b | 85 | 45 | 0 |
| Maitland. | b | 81 | 56 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 81 | 55 | 0 |
| Orange .. | b | 67 | 42 | 0 |
| Bathurst | b | 73 | 40 | 0 |
| Forbes .. | b | 89 | 60 | 0 |
| M.Vict'ria | b | 68 | 43 | 0 |
| Carcoar . | b | 70 | 45 | 0 |
| Cond'b'lin | c | 77 | — | 0 |
| Marsdens | . | — | — | 0 |
| Picton .. | b | 77 | 45 | 0 |
| Sydney . | c | 78 | 58 | 0 |
| Wentw'th | b | 70 | 60 | 0 |
| Young . | b | 87 | 45 | 0 |
| Woll'g'ng | c | 86 | 51 | 0 |
| Taralga.. | b | 70 | 40 | 0 |
| Hay .... | b | 80 | 57 | 0 |

| Stations. | WT | M.X. | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 72 | 47 | 0 |
| Deniliquin. | b | 80 | 50 | 0 |
| Moruya .. | b | 74 | 63 | 0 |
| Kiandra.. | b | 70 | 25 | 0 |
| Albury ... | b | 78 | 44 | 0 |
| Bodalla.. | b | — | 45 | 0 |
| Cooma ... | b | 75 | 3[illegible] | 0 |
| Eden .... | b | 71 | 57 | 0·05 |

28 30·20 R 80 *Curve showing state of Barometer.*




Cloudy. Rain wind E. Storm, wind S. Raining wind W

[illegible] used without the arrow. [illegible] very heavy.

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

| | | | |
|---|---|---|---|
| M'ss V'l | — | — | — |
| Euston | b 81 | 53 | 0 |
| G'lburn | b 75 | 40 | 0 |
| Wagga. | b 78 | 39 | 0 |
| C Geo' | b 75 | 37 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 15 1883.

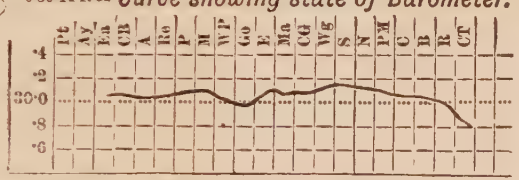
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 15 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·14 R 81

*Curve showing state of Barometer.*




Cloudy, T.storm, Raining
wind N. wind E wind S. wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

0 30·00 F 80

FINE GENERALLY.

13 80 A 0 30·13 R 75

8 62 Re 14 30·14 R 64

13 58 P 3 64 M

8 61 CO 8 65 WP 18 65

Ma 4 64

E 14 63

Go 13 64

R 76

B 78

C 14 74

PM 0 71

N 6 71

S 12 67

Wg 14 67

CG 42 65

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

W E S

Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M'X | R'fall |
|---|---|---|---|
| Casino | b | 90 55 | 0 |
| Tent'rfield | b | 82 54 | 0 |
| Clarence | b | 81 60 | 0 |
| Moree | b | 90 - | 0 |
| Grafton | b | 90 63 | 0 |
| Gl'n Inn's | g | 80 49 | 0 |
| Inverell. | b | 83 55 | 0 |
| Bourke | b | 94 62 | 0 |
| Narrabri. | c | 99 55 | 0 |
| Armidale. | b | 73 | 0 |
| Bendem'r | b | 78 45 | 0 |
| Gunned'h | b | 89 63 | 0 |
| C'n'mble | b | 86 58 | 0 |
| Kempsey | . | — — | — |
| Walcha.. | b | — 40 | 0 |
| Tamw'rth | b | — | 0 |
| Coonab'n. | b | 84 45 | 0 |
| P. M'cqrie | b | 81 66 | 0 |
| W'lcannia | b | — — | 0 |
| Murr'ndi. | b | 77 57 | 0 |
| Taree.. | g | 82 64 | 0 |
| Cassilis | g | 75 61 | 0 |
| Muss'br'k | b | 88 60 | 0 |
| Dubbo | b | 79 61 | 0 |
| Menindie. | b | 82 60 | 0 |
| Singleton | b | 84 63 | 0 |
| Nels'n's R. | b | 79 57 | 0 |
| 8 74 | | | |
| Mudg' | b | 90 52 | 0 |
| Maitland. | b | 82 61 | 0 |
| Hill End. | b | — — | 0 |
| N'wcastle | b | 81 56 | 0 |
| Orange .. | b | 71 49 | 0 |
| Bathurst | b | 79 49 | 0 |
| Forbes .. | b | 89 62 | 0 |
| M. Vict'ria | g | 74 47 | 0 |
| Carcoar | b | 77 53 | 0 |
| Cond'b'lin | b | 74 68 | 0 |
| Marsdens | b | 82 55 | 0 |
| Picton .. | b | 76 52 | 0 |
| Sydney .. | g | 76 62 | 0 |
| Wentw'th | b | 84 54 | 0 |
| Young | b | 93 52 | 0 |
| Woll'g'ng | c | 80 57 | 0 |
| Taralga.. | b | 77 40 | 0 |
| Hay .... | b | 82 58 | 0 |
| M'ss V'l | g | 81 53 | 0 |
| Euston | b | 86 45 | 0 |
| G'lburn | b | 78 52 | 0 |
| Wagga. | b | 79 41 | 0 |
| C Geo' | b | 75 43 | 0 |

| Stations. | WT | M.X | MIN | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 71 51 | 0 | |
| Deniliquin. | o | 84 55 | 0 | |
| Moruya .. | b | 75 45 | 0 | |
| Kiandra.. | b | 72 40 | 0 | |
| Albury ... | o | 86 40 | 0 | |
| Bodalla.. | b | 84 40 | 0 | 0·05 |
| Cooma .... | b | 73 43 | 0 | |
| Eden .... | b | 74 58 | 0 | |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 16 1883.

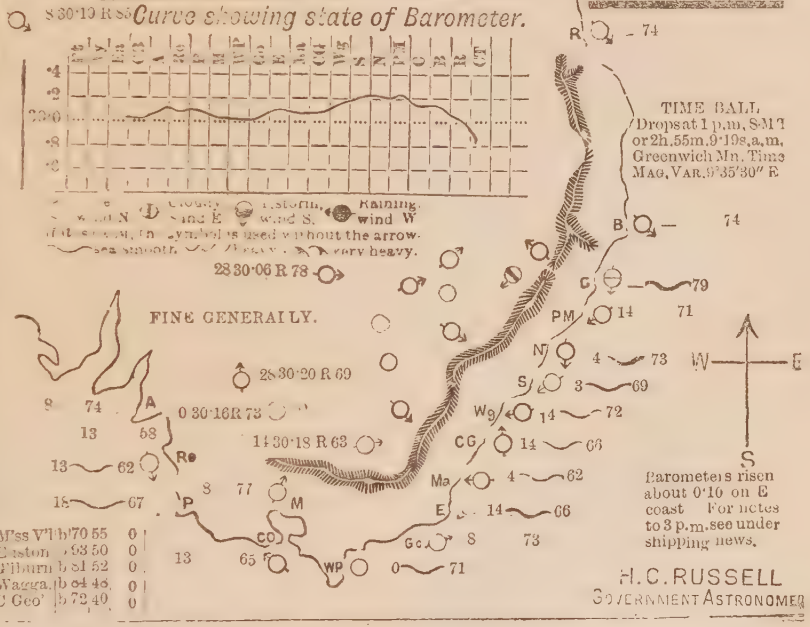
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 16 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M | X | MN | R'in |
|---|---|---|---|---|---|
| Casino . | b | 89 | 54 | | 0 |
| Tent'rfield | g | 82 | 55 | 1·10 | |
| Clarence . | b | 81 | 67 | | 0 |
| Moree | b | 84 | | | 0 |
| Grafton | b | 86 | 63 | | 0 |
| Gl'n. Inn's | b | 81 | 71 | 0·48 | |
| Inverell. | b | 85 | 5[illegible] | | 0 |
| Bourke | b | 86 | 61 | | 0 |
| Narrabri. | b | 91 | - | | 0 |
| Armidale. | b | 75 | - | 1·04 | |
| Bendem'r | b | 79 | 47 | 0·10 | |
| G'tanod'h | b | 92 | 65 | | 0 |
| C'n'mble . | b | 86 | 60 | | 0 |
| Kempsey | . | — | — | | — |
| W[illegible] | b | 7[illegible] | 4[illegible] | | 0 |
| T[illegible]w'rth | b | — | | | 0 |
| Coonab'n. | b | 86 | 49 | | 0 |
| P. Maqrie | b | 7[illegible] | [illegible] | | [illegible] |
| W[illegible] | b | — | | | |
| Murr'ndi . | b | 77 | 57 | | 0 |
| Toree | b | 75 | [illegible] | [illegible] | |
| Cossilis | b | 76 | 64 | | 0 |
| [illegible] | b | 85 | 66 | | 0 |
| [illegible] | b | 83 | 64 | | 0 |
| Menindie. | b | 90 | 62 | | 0 |
| Singleton | b | 80 | 60 | | 0 |
| Nels'n's B' | b | 90 | 76 | | 0 |
| 13 69 Mudg' | b | 89 | 54 | | 0 |
| Maitland. | b | 78 | 57 | | 0 |
| Hill End. | b | - | — | | 0 |
| N'wcastle | b | 82 | 55 | | 0 |
| Orange .. | b | 74 | 50 | | 0 |
| Bathurst | b | 82 | 45 | | 0 |
| Forbes .. | . | — | — | | — |
| M. Vict'ria | b | 69 | 43 | | 0 |
| Carcoar . | b | 85 | 55 | | 0 |
| Cond'b'lin | b | 82 | — | | 0 |
| Marsdens | b | 83 | 59 | | 0 |
| Picton .. | b | 76 | 53 | | 0 |
| Sydney . | b | 73 | 61 | | 0 |
| Wentw'th | b | 91 | 56 | | 0 |
| Young . | b | 94 | 54 | | 0 |
| Woll'g'ng | b | 80 | 57 | | 0 |
| Taralga.. | b | 73 | 38 | | 0 |
| Hay .... | b | 83 | 58 | | 0 |

| Stations. | WT | M | X | MN | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 75 | 54 | | 0 |
| Deniliquin. | b | 90 | 53 | | 0 |
| Moruya .. | b | 75 | — | | 0 |
| Kiandra .. | b | 74 | 29 | | 0 |
| Albury ... | b | 87 | 49 | | 0 |
| Bodalla .. | b | 79 | 46 | | 0 |
| Cooma ... | b | 81 | 41 | | 0 |
| Eden .... | b | 72 | 59 | | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | b | 70 55 | 0 |
| Euston | b | 93 50 | 0 |
| G'lburn | b | 81 52 | 0 |
| Wagga. | b | 84 46 | 0 |
| C Geo' | b | 72 40 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

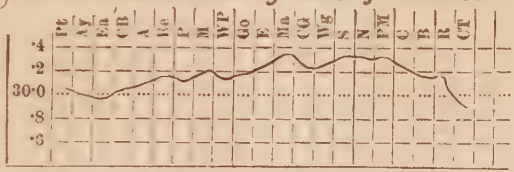
From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 17 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·23 S 79 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, and E. T.storm, wind S. Raining wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

0 30·15 R 88

| STATIONS. | wt | M.X. | V. | R'in. |
|---|---|---|---|---|
| Casino . | b | 87 57 | | 0 |
| Tent'rfield | g | 75 54 | | 0 |
| Clarence . | c | 82 67 | | 0 |
| Moree . | b | 94 | | 0 |
| Grafton | b | 85 63 | | 0 |
| Gl'n Inn's | b | 76 48 | | 0 |
| Inverell. | b | 79 54 | | 0 |
| Bourke | b | 96 68 | | 0 |
| Narrabri. | b | 96 57 | | 0 |
| Armidale. | g | 62 — | | 0 |
| Bendem'r | b | 89 49 | | 0 |
| Gunned'h | . | — — | | — |
| C'n'mble. | b | 92 66 | | 0 |
| Kempsey | . | — — | | - |
| Walcha.. | b | 69 38 | | 0 |
| Tamw'rth | b | — | | — |
| Coonab'n. | b | 88 49 | | 0 |
| P. M'cqrie | b | 79 62 | | 0 |
| W'lcannia | b | — — | | 0 |
| Murr'ndi. | b | 79 55 | | 0 |
| Taree | . | 82 63 | | 0 |
| Cassilis | b | 82 58 | | 0 |
| Muss'br'k | b | 90 57 | | 0 |
| Dubbo . | b | 84 64 | | 0 |
| Menindie. | b | 9[illegible] 60 | | 0 |
| Singleton | b | 83 60 | | 0 |
| Nels'n's B. | b | 88 59 | | 0 |
| 8 72 | | | | |
| Mudg | b | 94 56 | | 0 |
| Maitland. | b | 80 60 | | 0 |
| Hill End. | b | — — | | 0 |
| N'wcastle | b | 79 66 | | 0 |
| Orange .. | b | 76 50 | | 0 |
| Bathurst | b | 85 59 | | 0 |
| Forbes .. | b | 89 58 | | 0 |
| M. Vict'ria | b | 78 52 | | 0 |
| Carcoar . | b | 84 62 | | 0 |
| Cond'b'lin | b | 85 58 | | 0 |
| Marsdens | b | 91 69 | | 0 |
| Picton .. | b | — 53 | | 0 |
| Sydney . | b | 76 62 | | 0 |
| Wentw'th. | b | 98 — | | 0 |
| Young . | b | 98 53 | | 0 |
| Woll'g'ng | b | 61 57 | | 0 |
| Taralga.. | b | 80 31 | | 0 |
| Hay .... | b | 95 63 | | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 77 55 | 0 |
| Euston | b | 99 51 | 0 |
| G'lburn | b | 87 52 | 0 |
| Wagga. | b | 87 47 | 0 |
| C Geo' | b | 74 45 | 0 |

| Stations. | WT | M.X. | Mn | R'in. |
|---|---|---|---|---|
| Queanbe'an | b | 77 55 | | 0 |
| Deniliquin. | b | 95 54 | | 0 |
| Moruya .. | b | 75 66 | | 0 |
| Kiandra.. | b | 75 31 | | 0 |
| Albury ... | b | 91 51 | | 0 |
| Bodalla.. | b | 82 45 | | 0 |
| Cooma ... | b | 87 44 | | 0 |
| Eden .... | b | 73 61 | | 0 |

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 19 1883.

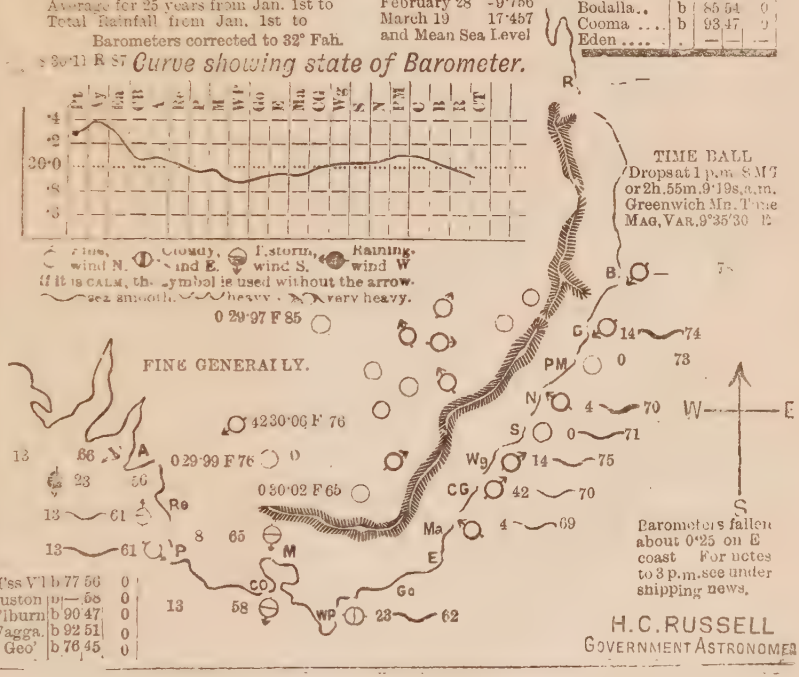
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 19 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 81 | 58 | 0 |
| Deniliquin. | o | 101 | 58 | 0 |
| Moruya .. . | b | 75 | 59 | 0 |
| Kiandra .. | b | 83 | 35 | 0 |
| Albury ... | o | 97 | [illegible] | 0 |
| Bodalla.. | b | 85 | 54 | 0 |
| Cooma .... | b | 93 | 47 | 0 |
| Eden .... | . | — | — | — |

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 85 | 57 | 0 |
| Tent'rfield | b | 75 | [illegible] | 0 |
| Clarence . | b | 86 | 67 | 0 |
| Moree | b | 9[illegible] | [illegible] | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Glen Inn's | b | 81 | [illegible] | 0 |
| Inverell. | b | 86 | [illegible] | 0 |
| Bourke | b | 98 | 73 | 0 |
| Narrabri. | b | 97 | [illegible] | 0 |
| Armidale.. | b | [illegible] | [illegible] | 0 |
| Bendem'r | b | 80 | 40 | 0 |
| Gunned'h | b | 92 | [illegible] | 0 |
| C'n'mble. | b | 96 | 68 | 0 |
| Kempsey | . | — | — | . |
| Walcha.. | b | 72 | 42 | 0 |
| Tamw'rth | b | — | | [illegible] |
| Coonab'n. | b | 90 | 52 | 0 |
| P. M'cqrie | b | 82 | [illegible] | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | [illegible] | [illegible] | 0 |
| Taree. | b | 79 | [illegible] | 0 |
| Cassilis | b | 80 | 75 | 0 |
| Muss'br'k | b | 85 | 57 | 0 |
| Dubbo . | b | 86 | 67 | 0 |
| Menindie. | b | 100 | 70 | 0 |
| Singleton | b | 84 | 61 | 0 |
| Nels'n's B' | b | 89 | 64 | 0 |
| 28 65 Mudg' | b | 97 | 52 | 0 |
| Maitland. | b | 82 | 59 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 80 | 64 | 0 |
| Orange .. | b | 77 | 49 | 0 |
| Bathurst | b | 87 | 48 | 0 |
| Forbes .. | b | 89 | 69 | 0 |
| M. Vict'ria | b | 78 | 44 | 0 |
| Carcoar . | b | 87 | 55 | 0 |
| Cond'b'lin | b | 79 | [illegible] | 0 |
| Marsdens | b | 94 | 67 | 0 |
| Picton .. | b | 79 | 46 | 0 |
| Sydney . | b | 72 | 63 | 0 |
| Wentw'th | b | 104 | 62 | 0 |
| Young . | b | 103 | 54 | 0 |
| Woll'g'ng | b | 84 | 66 | 0 |
| Taralga.. | b | 75 | 40 | 0 |
| Hay .... | b | 100 | 64 | 0 |
| M'ss V'l | b | 77 | 56 | 0 |
| Euston | b | — | 58 | 0 |
| G'lburn | b | 90 | 47 | 0 |
| Wagga. | b | 92 | 51 | 0 |
| C Geo' | b | 76 | 45 | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 20 1883.

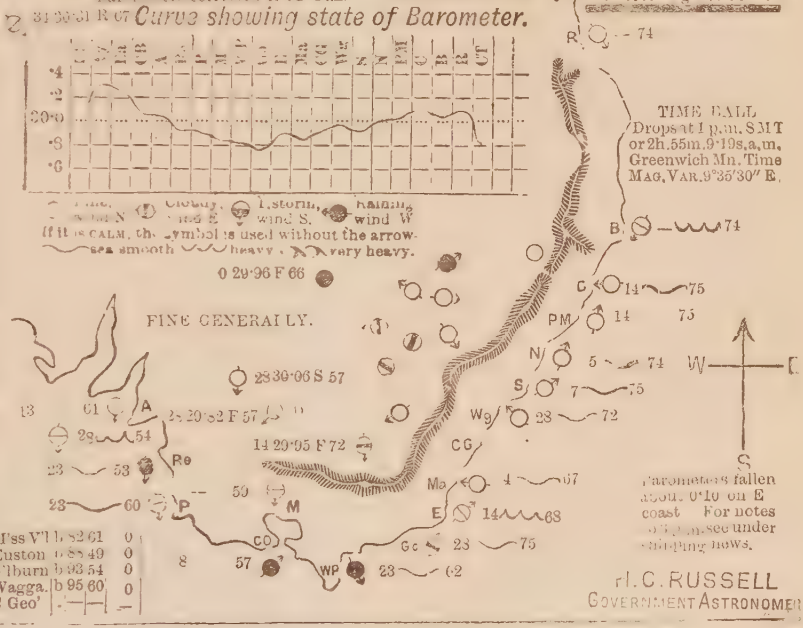
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 20 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| Casino . | b | 88 | 58 | 0 |
| Tent'rfield . | | — | — | — |
| Clarence . | b | 80 | 67 | 0 |
| Moree | p | 93 | - | 0·09 |
| Grafton | g | 90 | 66 | 0 |
| Gl'n Innes | b | 86 | 53 | 0 |
| Inverell | b | 80 | 55 | 0·35 |
| Bourke | r | [illegible] | [illegible] | [illegible] |
| Narrabri | g | 91 | 50 | 0 |
| Armidale. | b | 75 | | 0 |
| Bendeni | c | 84 | 41 | 0 |
| Gr'mm'l'h | g | [illegible] | 67 | 0 |
| C'n'mble . | b | 93 | 66 | 0 |
| [illegible] | . | — | — | - |
| [illegible] | . | — | - | |
| Tamw'rth | b | | | 0 |
| Coonab'n. | b | 89 | 54 | 0 |
| P. M'cqrie | b | 83 | 67 | 0 |
| W'leannia | g | — | - | 0 |
| Murr'ndi . | b | 81 | 63 | 0 |
| Taree | b | 84 | 65 | 0 |
| Cassilis | [illegible] | [illegible] | [illegible] | [illegible] |
| Muss'br'k | b | 95 | 60 | 0 |
| Dubbo . | b | 87 | 66 | 0 |
| Menindie. | b | 90 | 64 | 0 |
| [illegible] | [illegible] | [illegible] | 69 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| 15 [illegible] Mude | [illegible] | [illegible] | [illegible] | 0 |
| Maitland. | . | — | — | — |
| Hill End. | b | - | | 0 |
| N'wcastle | b | 81 | 65 | 0 |
| Orange . . | c | 78 | 77 | 0 |
| Bathurst | [illegible] | [illegible] | [illegible] | 0 |
| Forbes . . | g | 90 | 61 | 0 |
| M. Vict'ria | b | 78 | 49 | 0 |
| Carcoar . | . | - | — | — |
| Cond'l'lin. | g | 70 | 51 | 0 |
| Marsdens | b | 94 | 68 | 0 |
| Picton . . | b | 82 | 54 | 0 |
| Sydney . | b | 78 | 67 | 0 |
| Wentw'th | b | 84 | 51 | 0·06 |
| Young . | g | 99 | 57 | 0 |
| Woll'g'ng | b | 82 | 53 | 0 |
| Taralga.. | b | 85 | 45 | 0 |
| Hay .... | g | 96 | 50 | 0·20 |

| Stations. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 83 | 59 | 0 |
| Deniliquin. | g | 97 | 55 | 0·75 |
| Moruya .. . | b | 76 | 69 | 0 |
| Kiandra.. | g | 75 | 39 | 0 |
| Albury ... | g | 97 | 64 | 0 |
| Bodalla.. | b | 87 | 61 | 0 |
| Cooma . . | c | 94 | 49 | 0 |
| Eden .... | g | 76 | 62 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 21 1883.

Sydney Observatory.

*Lat.* [illegible] 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

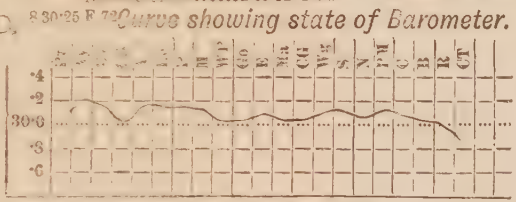
Average Annual Rainfall for 24 years ... 50·640
Average [illegible] years from Jan. 1st to February 28 -9·756
Total [illegible] from Jan. 1st to March 21 17·457
[illegible] corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M'x | Vn | R'in |
|---|---|---|---|---|
| Casino | b | 89 | 55 | 0 |
| Tenterfield | . | — | — | — |
| Clarence | g | 82 | 64 | 0·09 |
| Moree | g | 85 | [illegible] | 0·32 |
| Grafton | b | 88 | [illegible] | 0 |
| Glen Inn's | g | 80 | 48 | 0 |
| Inverell | [illegible] | 7[illegible] | 17 | 0·30 |
| Bourke | g | 83 | [illegible] | 0·10 |
| Narrabri | g | 87 | 60 | 0 |
| Armidale | c | 77 | [illegible] | [illegible] |
| Bendem'r | c | 62 | 40 | 0·08 |
| Gunned'h | r | 95 | 68 | 0·15 |
| C'n'mble | g | 93 | 64 | 0·10 |
| Kempsey | . | — | — | — |
| Walch... | b | 7[illegible] | [illegible] | 0·26 |
| Tamworth | b | — | — | 0·2[illegible] |
| Cooma'n | b | 85 | [illegible] | 0 |
| P. M'cqrie | b | 81 | 62 | 0 |
| W'leannia | b | — | — | 0 |
| Murrundi | g | 82 | [illegible] | 0 |
| Taree | b | 85 | 63 | 0 |
| Cassilis | g | 82 | 65 | 0 |
| Mass'brk | b | 96 | 62 | 0 |
| Inverell | g | 85 | 61 | 0·58 |
| Menindie | g | 80 | 51 | 0 |
| Singleton | c | 89 | 64 | 0 |
| Nels'n's B | b | 85 | 65 | 0 |
| 8 65 | | | | |
| Maitland | g | 90 | 66 | 0·10 |
| Maitland | c | 96 | 63 | 0 |
| Hill End | p | — | — | 0·23 |
| Newcastle | b | 82 | 65 | 0 |
| Orange | c | 78 | 58 | 0·10 |
| Pathurst | [illegible] | 86 | 59 | 0·19 |
| Forbes | [illegible] | 88 | 59 | 0 |
| M. Vet'ria | g | 75 | 49 | 1·50 |
| Carcoar | g | 87 | 62 | 0·25 |
| Condo'lin | [illegible] | 75 | 59 | 0 |
| Marsdens | . | — | — | — |
| Picton | b | 82 | 55 | 0 |
| Sydney | c | 77 | 67 | 0 |
| Wentw'th | [illegible] | 75 | 46 | 0 |
| Young | g | 91 | 60 | 0·16 |
| Wellington | c | 82 | 50 | 0 |
| Taralga | b | 82 | 47 | 0·50 |
| Hay | b | 95 | 57 | 0·25 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 76 | 61 | 0·34 |
| Deniliquin | b | 70 | 47 | 0·03 |
| Moruya | b | 76 | 61 | 0 |
| Kiandra | g | 52 | 49 | 0·15 |
| Albury | g | 84 | 60 | 0·06 |
| Bodalla | b | 85 | [illegible] | [illegible] |
| Cooma | c | 81 | 5[illegible] | [illegible] |
| Eden | b | 76 | 67 | 0 |

8 30·25 F 72

*Curve showing state of Barometer.*



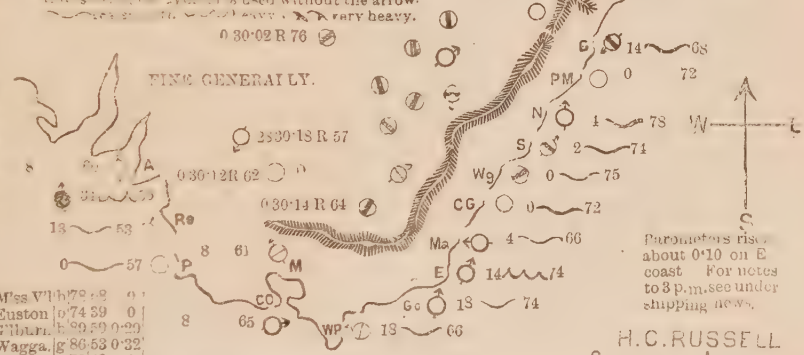

0 30·02 R 76

FINE GENERALLY.

2830·18 R 57

0 30·12 R 62

0 30·14 R 64




Barometers rise about 0·10 on E coast For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 78 | [illegible] | 0 |
| Euston | b | 74 | 39 | 0 |
| G'lburn | b | 89 | 59 | 0·29 |
| Wagga | g | 86 | 53 | 0·32 |
| C Geo' | c | 73 | 49 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 22 1883.

Sydney Observatory.

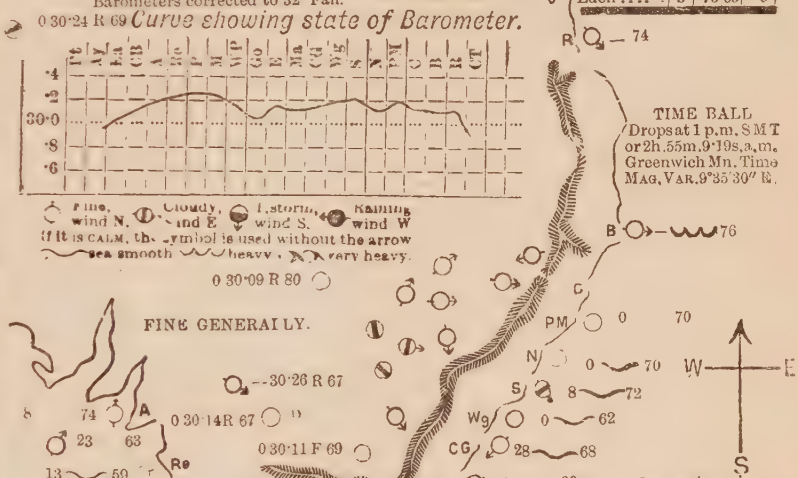
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .. 50·640.
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 22 17·457
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 89 | 58 | 0·41 |
| Tent'rfield | b | 82 | 53 | 0 |
| Clarence .. | . | — | — | — |
| Moree .. | b | 84 | — | 0 |
| Grafton . | b | 82 | 62 | 0 |
| Gl'n Inn's | b | 81 | 52 | 0 |
| Inverell. | b | 75 | 52 | 0 |
| Bourke | b | 80 | 63 | 0 |
| Narrabri . | b | 85 | 60 | 0 |
| Armidale. | b | 74 | | 0 |
| Bendem'r | c | 74 | 38 | 0 |
| Gunned'h | g | 83 | 64 | 0 |
| C'n'mble . | b | 83 | 63 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 72 | 39 | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 79 | 54 | 0 |
| P. M'cqrie | b | 81 | 64 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 75 | 61 | 0 |
| Taree. | b | 86 | 65 | 0 |
| Cassilis | b | 73 | 63 | 0 |
| Muss'br'k | b | 90 | 61 | 0 |
| Dubbo . | b | 83 | 63 | 0 |
| Menindie. | b | 82 | 57 | 0 |
| Singleton | b | 86 | 66 | 0 |
| Nels'n's B' | b | 77 | 67 | 0 |
| 18 65 Mudg' | c | 73 | 58 | 0·16 |
| Maitland. | b | 81 | 64 | 0 |
| Hill End. | g | — | — | 0 |
| N'wcastle | b | 79 | 66 | 0 |
| Orange .. | c | 79 | 57 | 0·23 |
| Bathurst | b | 68 | 54 | 0·30 |
| Forbes .. | c | 87 | 59 | 0 |
| M. Vict'ria | b | 68 | 53 | 0·25 |
| Carcoar . | g | 72 | 57 | 0·10 |
| Cond'b'lin | b | 84 | 79 | 0 |
| Marsdens | b | 85 | 65 | 0 |
| Picton .. | g | 81 | 59 | 0 |
| Sydney . | g | 76 | 67 | 0 |
| Wentw'th | b | 79 | 52 | 0 |
| Young . | g | 88 | 59 | 0·02 |
| Woll'g'ng | b | 80 | 60 | 0 |
| Taralga.. | b | 72 | 55 | 0 |
| Hay .... | c | 80 | 58 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 73 | 58 | 0 |
| Deniliquin. | b | 79 | 54 | 0·06 |
| Moruya .. . | g | 77 | 61 | 0 |
| Kiandra.. | g | 62 | 43 | 0·07 |
| Albury ... | b | 75 | 57 | 0·23 |
| Bodalla.. | b | 85 | 56 | 0 |
| Cooma .... | b | 80 | 50 | 0 |
| Eden .... . | b | 75 | 65 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l . | — | — | — | |
| Euston | b | 83 | 43 | 0 |
| G'lburn | b | 78 | 56 | 0·10 |
| Wagga. | b | 78 | 52 | 0 |
| C Geo' | b | 84 | 47 | 0 |




Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 24 1883.

Sydney Observatory.

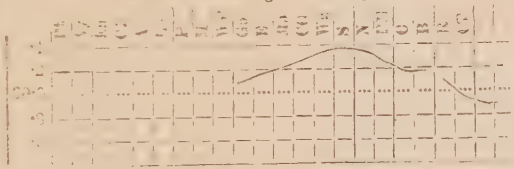
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640.
Average for 24 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to March 24 17·587
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M | N | Mn | R in |
|---|---|---|---|---|---|
| Casino . | r | 85 | 56 | | 0 |
| Tent'rfield | [illegible] | 78 | 53 | | 0 |
| Clarence . | p | 78 | 64 | | 1·22 |
| Moree .. | b | 91 | [illegible] | | 0 |
| Grafton | [illegible] | [illegible] | [illegible] | | [illegible] |
| Gl. Inns | [illegible] | [illegible] | [illegible] | | [illegible] |
| Inverell.. | [illegible] | [illegible] | [illegible] | | [illegible] |
| Bourke | [illegible] | [illegible] | [illegible] | | [illegible] |
| Narrabri . | b | 90 | 59 | | 0 |
| [illegible] | [illegible] | 78 | [illegible] | | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] |
| Gunned'h | b | 93 | 61 | | 0 |
| [illegible] | [illegible] | — | — | | — |
| [illegible] | [illegible] | — | — | | — |
| Walcha.. | c | 73 | [illegible] | | 0 |
| Tamw'rth | [illegible] | — | — | | — |
| Coonab'n. | b | 86 | 52 | | 0·65 |
| P. Macqrie | [illegible] | [illegible] | [illegible] | | [illegible] |
| [illegible] | [illegible] | — | [illegible] | | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] |
| Taree | b | 81 | 66 | | 0·47 |
| Cassilis | u | [illegible] | [illegible] | | [illegible] |
| Muss'br'k | b | 90 | 62 | | 0 |
| Dubbo . | b | 88 | 61 | | 0 |
| Menindie. | b | 91 | 61 | | 0 |
| Singleton | [illegible] | [illegible] | 65 | | 0·01 |
| Nels'n's Br | [illegible] | [illegible] | [illegible] | | [illegible] |
| Mudg | [illegible] | [illegible] | [illegible] | | [illegible] |
| Maitland. | [illegible] | [illegible] | [illegible] | | [illegible] |
| Hill End. | u | — | — | | 0·33 |
| N'weastle | b | 73 | 65 | | 0·05 |
| Orange .. | o | 69 | 50 | | 0 |
| Bathurst | u | 79 | 52 | | 0 |
| Forbes .. | b | [illegible] | [illegible] | | 0 |
| M.Vict'ria | u | 70 | 52 | | 0·60 |
| Carcoar . | g | [illegible] | [illegible] | | 0·11 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | b | 83 | 60 | | 0·29 |
| Picton . | c | 7[illegible] | 60 | | 0·15 |
| Sydney . | g | 70 | [illegible] | | [illegible] |
| Wentw'th | b | [illegible] | [illegible] | | 0 |
| Young . | b | [illegible] | [illegible] | | 0 |
| Wolf'g'ng | c | [illegible] | 59 | | 0·12 |
| Taralga.. | b | 7[illegible] | [illegible] | | [illegible] |
| Hay .... | b | 91 | 63 | | 0 |

| Stations. | WT | M | N | Mn | R in |
|---|---|---|---|---|---|
| Queanbe'an | b | 77 | 60 | | 0 |
| Deniliquin. | b | 89 | 61 | | 0 |
| Moruya .. | g | 71 | 62 | | 0 |
| Kiandra.. | | — | — | | — |
| Albury ... | b | 90 | 57 | | 0 |
| Bodalla.. | b | 85 | 58 | | 0·05 |
| Cooma ... | b | 81 | 48 | | 0 |
| Eden .... | b | 77 | 63 | | 0 |

*Curve showing state of Barometer.*



Fine. Cloudy, Storm, Raining.
wind N. wind E. wind S. wind W.
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

Barometers risen about 0·13 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

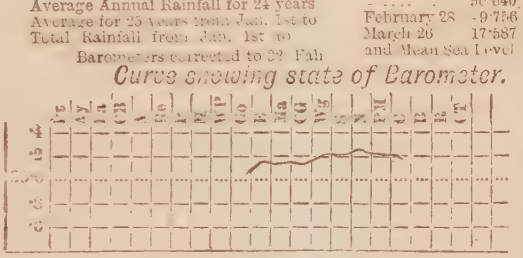
Average Annual Rainfall for 24 years ..... 50·640

Average for 25 years from Jan. 1st to February 28 ·9·756

Total Rainfall from Jan. 1st to March 26 17·587

Barometers corrected to 32° Fah and Mean Sea Level

*Curve showing state of Barometer.*



Cloudy. Storm. Raining.
wind N. wind E. wind S. wind W
If it is CALM, the symbol is used without the arrow
Sea smooth. Heavy. Very heavy.

28 30·10 F 72

CLOUDY GENERALLY

28 30·12 R 75

14 30·17 R 73

036·19 F 66

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°55′30″ E

14 64

0 67

0 69

0 72

42 70

14 64

14 67

13 65

34 68

Barometers rise about 0·08 on E coast For notes to 3 p.m. see daily shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | | | | |
|---|---|---|---|---|
| Casino | c | 84 | 57 | 0·07 |
| Tenterfield | u | 76 | 50 | 0 |
| Clarence | b | 74 | 62 | 0 |
| Moree | b | 93 | — | 0 |
| Grafton | u | 82 | 62 | 0·04 |
| Glen Inn's | u | 77 | 52 | 0 |
| Inverell | b | 78 | 45 | 0 |
| Bourke | u | 88 | 54 | 0 |
| Narrabri | u | 80 | 60 | 0 |
| Armidale | g | 74 | — | 0 |
| Beadem'r | g | 75 | 38 | 0 |
| Gunned'h | b | 91 | 44 | 0 |
| [illegible] | | — | — | — |
| Kempsey | | — | — | — |
| Walcha | b | 72 | 37 | 0 |
| Tamw'rth | | — | — | 0 |
| Coonab'n | g | 79 | 59 | 0 |
| P. M'cqrie | g | 81 | 56 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi | g | 75 | 56 | 0 |
| Taree | b | 77 | 62 | 0 |
| Cassilis | u | 79 | 59 | 0 |
| Muswellb'k | b | 88 | 63 | 0 |
| Dubbo | g | 82 | — | 0 |
| Menindie | b | 92 | 62 | 0·03 |
| Singleton | b | 82 | 60 | 0 |
| Nels'n's B | g | 79 | 62 | 0 |
| Mudgee | g | 88 | 51 | 0 |
| Maitland | b | 81 | 57 | 0 |
| Hill End | u | — | — | 0 |
| N'wcastle | | — | — | — |
| Orange | c | 74 | 50 | 0·08 |
| Bathurst | u | 77 | 45 | 0·02 |
| Forbes | g | 80 | 56 | 0 |
| M. Victoria | c | 76 | 56 | 0 |
| Carcoar | r | 82 | 52 | 0 |
| Coond'b'lin | c | 82 | 79 | 0 |
| Marsdens | b | 85 | 69 | 0 |
| Picton | c | 77 | 54 | 0 |
| Sydney | | 75 | 62 | 0 |
| Wentw'th | g | 95 | 72 | 0 |
| Young | | 79 | 58 | 0 |
| Wolt'g'ng | c | 79 | 55 | 0 |
| Taralga | g | 78 | 45 | 0 |
| Hay | b | 90 | 60 | 0 |
| Moss Vale | | — | — | — |
| Euston | b | 98 | 65 | 0 |
| G'lburn | c | 69 | 51 | 0 |
| Wagga | c | 84 | 52 | 0 |
| C Geo' | b | 77 | 44 | 0 |

| Stations. | | WT | M.X | M.m | R.m. |
|---|---|---|---|---|---|
| Queanbe'an | g | 74 | 54 | | 0 |
| Deniliquin | b | 91 | 61 | | 0 |
| Moruya | b | 77 | 68 | | 0 |
| Kiandra | c | 59 | 33 | | 0 |
| Albury | b | 87 | 53 | | 0 |
| Bodalla | c | 81 | 46 | | 0 |
| Cooma | g | 96 | 46 | | 0 |
| Eden | b | 74 | 60 | | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 27 1883.

Sydney Observatory.

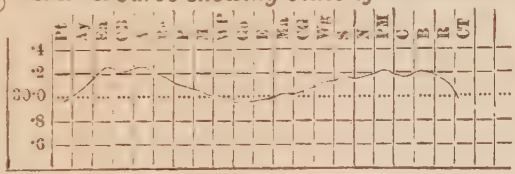
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 27 17·587
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M | X | Mn | R | in |
|---|---|---|---|---|---|---|
| Casino . | b | 85 | 57 | | 0 | |
| Tenterfield | u | 74 | 52 | | 0 | |
| Clarence . | b | 71 | 65 | | 0 | |
| Moree .. | b | 90 | | | 0 | |
| Grafton | b | 82 | 62 | | 0 | |
| Glen Inn's | b | 69 | 52 | | 0 | |
| Inverell. | b | 73 | 46 | | 0 | |
| Bourke | u | 81 | 68 | | 0 | |
| Narrabri . | b | 80 | 55 | | 0 | |
| Armidale. | b | 69 | | | 0 | |
| Bendem'r | b | 75 | 36 | | 0 | |
| Gunned'h | . | — | — | | — | |
| Cinnamble . | b | 82 | 50 | | 0 | |
| Kempsey | . | — | — | | — | |
| Wauchope.. | b | 70 | — | | 0 | |
| Tamw'rth | b | — | — | | 0 | |
| Coonab'n. | b | 79 | 51 | | 0 | |
| P. Macquarie | g | 80 | 55 | | 0 | |
| Wilcannia | . | — | — | | — | |
| Murr'ndi . | . | — | — | | — | |
| Taree | . | — | — | | — | |
| Cassilis | b | 75 | 8 | | 0 | |
| Muss'br'k | b | 85 | 62 | | 0 | |
| Dubbo . | b | 81 | 64 | | 0 | |
| Menindie. | b | 84 | 67 | | 0 | |
| Singleton | b | 80 | 64 | | 0 | |
| Nels'n's B. | b | 83 | 64 | | 0 | |
| 8 68 | | | | | | |
| Mudg' | b | 81 | 52 | | 0 | |
| Maitland. | b | 82 | 63 | | 0 | |
| Hill End. | b | — | — | | 0 | |
| N'wcastle | b | 81 | 65 | | 0 | |
| Orange .. | b | 68 | 54 | | 0·06 | |
| Bathurst | b | 70 | 52 | | 0 | |
| Forbes .. | g | 74 | 54 | | 0 | |
| M Vict'ria | b | 81 | 53 | | 0·75 | |
| Carcoar . | b | 87 | 57 | | 0·14 | |
| Cond'b'lin | c | 89 | 79 | | 0 | |
| Marsdens | p | 80 | 63 | | 0·36 | |
| Picton .. | c | 72 | 50 | | 0·14 | |
| Sydney . | b | 75 | 65 | | 0 | |
| Wentw'th | c | 83 | 60 | | 0·10 | |
| Young . | g | 89 | 58 | | 0·98 | |
| Well'g'ng | g | 80 | 62 | | 0 | |
| Taralga.. | b | 72 | 50 | | 0 | |
| Hay .... | g | 87 | 64 | | 0 | |

| Stations. | WT | M | X | Mn | R | in |
|---|---|---|---|---|---|---|
| Queanbe'an | c | 75 | 59 | | 0 | |
| Deniliquin. | g | 90 | 64 | | 0·60 | |
| Moruya .. | g | 77 | 64 | | 0 | |
| Kiandra.. | r | 90 | 47 | | 0·25 | |
| Albury ... | g | 88 | 64 | | 0·21 | |
| Bodalla.. | g | 84 | 54 | | 0 | |
| Cooma ... | c | 85 | 50 | | 0 | |
| Eden .... | b | 76 | 62 | | 0 | |

0 30·26 R 80 *Curve showing state of Barometer.*




wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

sea smooth heavy very heavy.

28 30·08 F 74

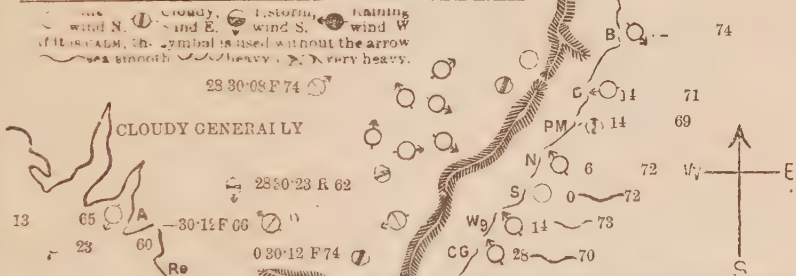
CLOUDY GENERALLY

28 30·23 R 62

30·12 F 66

0 30·12 F 74

| | | | |
|---|---|---|---|
| M'ss V'l | b | 75 56 | 0 |
| Euston | b | 83 56 | 0·30 |
| Gilburn | b | 77 57 | 0·09 |
| Wagga. | r | 85 55 | 0·85 |
| C Geo' | b | 75 49 | 0 |




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 28 1883.

Sydney Observatory.

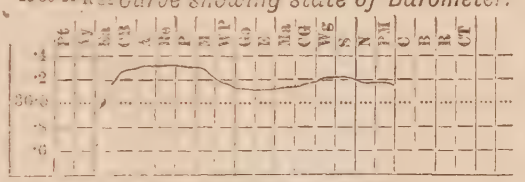
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640
Average for 25 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to March 28 17·896
Barometers corrected to 32 Fah. and Mean Sea Level

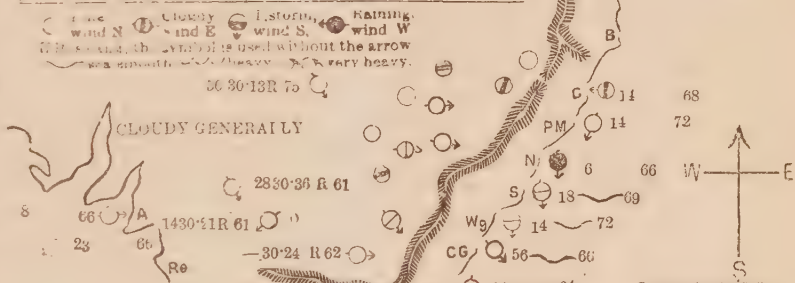
| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 74 | 57 | 0 |
| Deniliquin. | b | 74 | 50 | 0·17 |
| Moruya .. . | b | 78 | 58 | 0·31 |
| Kiandra.. | f | 54 | 37 | 2·34 |
| Albury ... | b | 70 | 48 | 0·78 |
| Bodalla.. | | — | — | — |
| Cooma .... | g | 72 | 46 | 0·40 |
| Eden .... . | b | 76 | 56 | 0·42 |

| STATIONS | WT | M'X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 91 | 57 | 0 |
| Tent'rfield | u | 86 | 53 | 0·70 |
| Clarence . | c | 84 | 66 | 0 |
| Moree | g | 90 | | 0 |
| Grafton | b | 88 | 63 | 0 |
| Glen Inn's | g | 79 | [illegible] | 0 |
| Inverell | p | 78 | [illegible] | 0·49 |
| Bourke | b | 87 | 65 | 0 |
| Nasrabri | u | 89 | [illegible] | 0·26 |
| Armidale. | g | 73 | | 0 |
| Bendem'r | r | 77 | 42 | 0·03 |
| Gunnedah | c | 93 | 67 | 0 |
| Cuttabulla | b | 8[illegible] | 59 | 0 |
| Kempsey | . | — | | |
| Wauchope | c | 69 | — | 0 |
| Tamworth | b | — | — | 0 |
| Coonabarrie | b | 81 | [illegible] | 0·21 |
| P. Maquarie | b | 81 | [illegible] | 0 |
| Wilcannia | c | — | — | 0 |
| Murrindi | c | 79 | [illegible] | 0 |
| Taree | g | 84 | [illegible] | 0 |
| Cassilis | b | 78 | 60 | 0·50 |
| Mass'br'k | b | 9[illegible] | 61 | 0·06 |
| Dubbo . | b | 83 | [illegible] | [illegible] |
| Menindie | b | [illegible] | [illegible] | 0 |
| Singleton | b | 86 | 57 | 0·01 |
| Nelson's B. | p | 8[illegible] | 61 | 0 |
| 35 77 | | | | |
| Mudg | b | 88 | 53 | [illegible] |
| Maitland. | g | 86 | 67 | 0 |
| Hill End. | f | — | | 1·07 |
| N'wcastle | r | 81 | 64 | 0·29 |
| Orange . | c | 7[illegible] | [illegible] | 1·1[illegible] |
| Bathurst | b | 80 | 52 | 0·90 |
| Forbes | b | 74 | 5[illegible] | [illegible] |
| M. Vict'ria | o | 70 | 51 | 0·70 |
| Carcoar | [illegible] | 72 | 52 | 0·65 |
| Condobolin | b | 87 | 7[illegible] | [illegible] |
| Marsden | [illegible] | 79 | [illegible] | [illegible] |
| Picton . . | c | 82 | 60 | 0·12 |
| Sydney | c | 77 | 65 | 0·27 |
| Wentw'th | b | 77 | 54 | 0 |
| Young . | g | 72 | 55 | 0·25 |
| Woll'g'ng | c | 79 | 55 | 0 |
| Taralga.. | g | 75 | 48 | 0 |
| Hay .... | b | 78 | 57 | 0 |

23 30·24 R 82 *Curve showing state of Barometer.*




If the sea is smooth the symbol is used without the arrow
sea smooth ... heavy ... very heavy.




| | | | | |
|---|---|---|---|---|
| M'ss V'l | c | 79 | 55 | 0·30 |
| Euston | b | 79 | 47 | 0 |
| G'lburn | g | 77 | 53 | 0·14 |
| Wagga. | b | 85 | 43 | 0·40 |
| C Geo' | n | 70 | 63 | 0·35 |

Barometers risen about 0·20 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

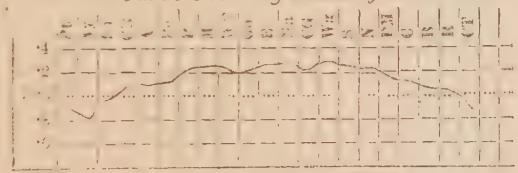
From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 29 1883.

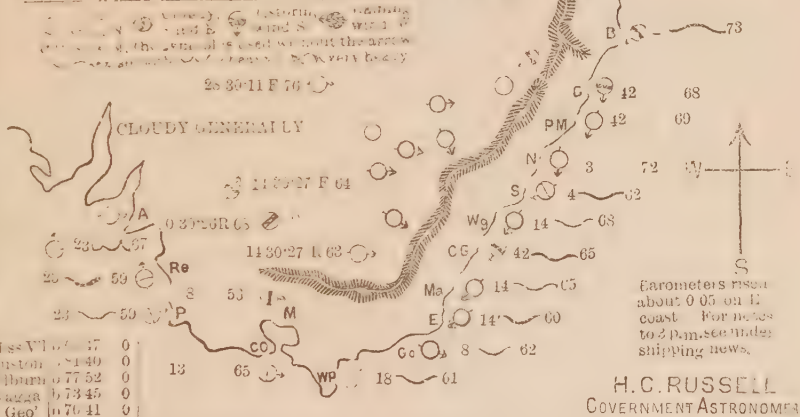
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... 50·40
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 29 17·896
Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·15 F 87 *Curve showing state of Barometer.*






| Stations. | WT. | M. | X. | Mn. | R. in. |
|---|---|---|---|---|---|
| Queanbe'an | b | 70 | 50 | | 0 |
| Deniliquin. | g | 74 | 46 | | 0 |
| Moruya .. | b | 71 | 66 | | 0 |
| Kiandra .. | b | 52 | 35 | | 0 |
| Albury ... | b | 78 | 49 | | 0 |
| Bodalla .. | b | 77 | 51 | | 0 |
| Cooma .... | b | 76 | 44 | | 0 |
| Eden .... | b | 71 | 59 | | 0 |

| Stations. | WT. | M. | X. | Mn. | R. in. |
|---|---|---|---|---|---|
| Casino | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Tent'rfield | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Clarence | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Morton | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Grafton | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Gen. Lands | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Inverell | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Bourke | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Narrabri | b | [illegible] | [illegible] | [illegible] | 0 |
| Armidale | g | [illegible] | [illegible] | [illegible] | [illegible] |
| Bendemeh | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Gunnedah | [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Cinnabar | [illegible] | — | — | — | — |
| Kempsey | [illegible] | — | — | — | — |
| Wilcox | [illegible] | [illegible] | — | [illegible] | [illegible] |
| Tamworth | b | — | — | — | [illegible] |
| Coonabbin | b | [illegible] | [illegible] | [illegible] | [illegible] |
| P. Macquarie | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Wilcannia | [illegible] | — | — | — | [illegible] |
| Murrindi | c | [illegible] | [illegible] | [illegible] | [illegible] |
| Taree | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Cassins | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Mussbrook | b | [illegible] | [illegible] | [illegible] | 0 |
| Dubbo | [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Menindie | b | [illegible] | [illegible] | [illegible] | 0 |
| Singleton | b | [illegible] | [illegible] | [illegible] | 0 |
| Nels'n's B | c | [illegible] | [illegible] | [illegible] | [illegible] |
| ○ S 72 Mudg' | b | [illegible] | [illegible] | [illegible] | 0 |
| Maitland | b | [illegible] | [illegible] | [illegible] | 0 |
| Hill End | b | [illegible] | [illegible] | [illegible] | 0 |
| Newcastle | b | [illegible] | [illegible] | [illegible] | 0 |
| Orange .. | b | 71 | 47 | [illegible] | [illegible] |
| Bathurst | b | [illegible] | [illegible] | [illegible] | 0 |
| Forbes .. | b | [illegible] | [illegible] | [illegible] | 0 |
| M. Vict'ria | c | 65 | [illegible] | [illegible] | 0 |
| Carcoar . | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Cond'b'lin | b | [illegible] | [illegible] | [illegible] | [illegible] |
| Marsdens | b | 73 | [illegible] | [illegible] | 0 |
| Picton . | b | 71 | 47 | [illegible] | 0 |
| Sydney | c | 72 | [illegible] | [illegible] | 0 |
| Wentw'th | g | [illegible] | [illegible] | [illegible] | 0 |
| Young . | b | 91 | 50 | [illegible] | 0 |
| Wolf'g'ng | b | 75 | 57 | [illegible] | 0 |
| Taralga.. | b | 72 | 35 | [illegible] | 0 |
| Hay .... | c | 78 | 55 | [illegible] | 0 |

| | | | |
|---|---|---|---|
| Miss V'l | [illegible] | [illegible] | 0 |
| Euston | [illegible] | 81 40 | 0 |
| Gilburn | b | 77 52 | 0 |
| Wagga | b | 73 45 | 0 |
| C Geo' | b | 76 41 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 30 1883.

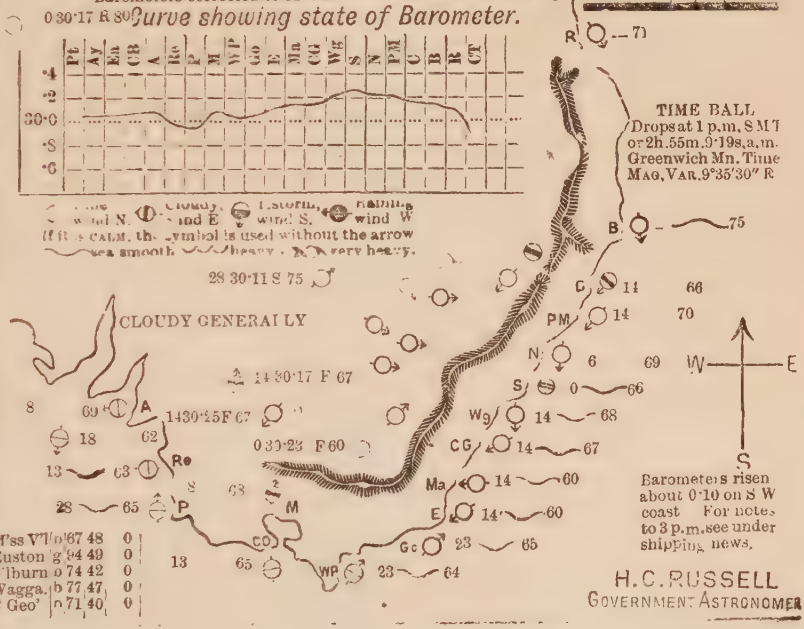
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 30 17·896
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | g | 75 | 60 | 0 |
| Tent'rfield | b | 70 | 52 | 0 |
| Clarence . | g | 84 | 63 | 0·59 |
| Moree . | c | 91 | - | 0 |
| Grafton | b | 78 | 55 | 0·28 |
| Gl'n Inn's | b | 72 | 49 | 0 |
| Inverell. | b | 72 | 43 | 0 |
| Bourke | b | 88 | 64 | 0 |
| Narrabri . | b | 88 | 60 | 0 |
| Armidale. | g | 64 | | 0 |
| Bendem'r | c | 69 | 31 | 0 |
| Gunned'h | b | 90 | 58 | 0 |
| C'n'mble . | b | 81 | 58 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 64 | — | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 79 | 41 | 0 |
| P. M'cqrie | b | 75 | 61 | 0 |
| W'lcannia | b | — | - | 0 |
| Murr'ndi . | b | 73 | 54 | 0 |
| Taree.. | b | 74 | 62 | 0 |
| Cassilis | b | 7[illegible] | 62 | 0 |
| Muss'br'k | b | 81 | 55 | 0 |
| Dubbo . | b | 76 | 59 | 0 |
| Menindie. | b | 80 | 60 | 0 |
| Singleton | b | 75 | 53 | 0 |
| Nels'n's B. | b | 84 | 57 | 0·02 |
| 8 71 Mudg' | b | 84 | 53 | 0 |
| Maitland. | b | 72 | 51 | 0 |
| Hill End. | b | -- | - | 0 |
| N'wcastle | b | 77 | 64 | 0·06 |
| Orange .. | b | 71 | 48 | 0 |
| Bathurst | . | — | — | 0 |
| Forbes .. | b | 82 | 59 | 0 |
| M. Vict'ria | b | 61 | 43 | 0 |
| Carcoar . | b | 82 | 55 | 0 |
| Cond'b'lin | b | 81 | 75 | 0 |
| Marsdens | b | 76 | 58 | 0 |
| Picton .. | b | 73 | 49 | 0 |
| Sydney .. | c | 72 | 60 | 0 |
| Wentw'th | g | 82 | 60 | 0 |
| Young . | b | 88 | 51 | 0 |
| Woll'g'ng | b | 78 | 52 | 0 |
| Taralga.. | b | 74 | 38 | 0 |
| Hay .... | b | 82 | 65 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 71 | 51 | 0 |
| Deniliquin. | b | 80 | 54 | 0 |
| Moruya .. | b | 71 | 61 | 0 |
| Kiandra .. | b | 75 | 30 | 0 |
| Albury ... | b | 77 | 49 | 0 |
| Bodalla.. | b | 77 | 51 | 0 |
| Cooma .... | b | 78 | 47 | 0 |
| Eden .... | r | — | — | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 67 | 48 | 0 |
| Euston | g | 94 | 49 | 0 |
| G'lburn | b | 74 | 42 | 0 |
| Wagga. | b | 77 | 47 | 0 |
| C Geo' | b | 71 | 40 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MARCH 31 1883.

Sydney Observatory.

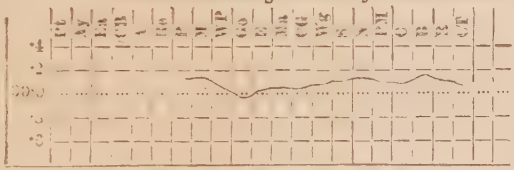
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to February 28 ..9·756
Total Rainfall from Jan. 1st to March 31 17·896
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations | wt | M'x | M | R'in |
|---|---|---|---|---|
| Casino | b | 80 | [illegible] | 0 |
| Tent rfield | b | 72 | [illegible] | 0 |
| Clarence | b | 81 | 62 | 0 |
| Moree | b | 93 | | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Glen Inn's | b | 72 | [illegible] | 0 |
| Inverell | g | 70 | [illegible] | 0 |
| Bourke | g | [illegible] | [illegible] | 0 |
| Narrabri | g | 88 | [illegible] | 0 |
| Armidale | [illegible] | 70 | | 0 |
| Bendem'r | b | 74 | 33 | 0 |
| Gunn'd | . | — | — | — |
| C'n'mble | b | 82 | 60 | 0 |
| Kem[illegible] | . | — | — | — |
| Wal[illegible] | b | 71 | — | 0 |
| Tam[illegible] | . | — | | — |
| C[illegible] | g | [illegible] | [illegible] | 0 |
| P. M'cqrie | b | 78 | 60 | 0 |
| W'lcannia | g | — | — | 0 |
| Murr'ndi | g | 75 | 54 | 0 |
| Taree | b | 78 | [illegible] | 0 |
| Cassilis | b | 87 | [illegible] | 0 |
| Muss'br'l | b | [illegible] | [illegible] | 0 |
| [illegible] | g | [illegible] | [illegible] | 0 |
| Menindie | b | 85 | 70 | 0 |
| Singleton | b | 78 | 61 | 0 |
| Nels'n's B | [illegible] | 86 | [illegible] | 0 |
| Mudg' | g | 87 | 51 | 0 |
| Maitland | g | 80 | [illegible] | 0 |
| Hill End | g | — | — | 0 |
| N'wcastle | b | 77 | 58 | 0 |
| Orange | b | 68 | 49 | 0 |
| Bathurst | b | 77 | 49 | 0 |
| Forbes | b | 84 | 58 | 0 |
| M. Vi[illegible] | g | 61 | 50 | 0 |
| Ca[illegible] | g | 72 | 50 | 0 |
| Coud'b'lin | g | 85 | 78 | 0 |
| Marsdens | b | 81 | 61 | 0 |
| Picton | g | 75 | 51 | 0 |
| Sydney | g | 72 | 60 | 0 |
| Wentw'th | g | 91 | 64 | 0·30 |
| Young | b | 92 | 51 | 0 |
| Wolf'g'ng | c | 79 | 66 | 0 |
| Taralga | g | 78 | 46 | 0 |
| Hay | c | 88 | 64 | 0 |

| Stations. | WT | M X | M | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 75 | 53 | 0 |
| Deniliquin | d | 85 | 61 | 0·14 |
| Moruya | g | 73 | 65 | 0 |
| Kiandra | c | 85 | 38 | 0 |
| Albury | . | — | — | — |
| Bodalla | c | 77 | 50 | 0 |
| Cooma | c | 81 | 42 | 0 |
| Eden | c | 71 | 69 | 0 |

*Curve showing state of Barometer.*




Cloudy, Lightning, Rain, wind N. Wind E. Wind S. Wind W. If the wind is used without the arrow sea smooth. Heavy. Very heavy.

Barometers ri[illegible] about 0·10 [illegible] coast For note[illegible] to 3 p.m. see [illegible] shipping [illegible]

| | | | |
|---|---|---|---|
| M'ss V'l | b | 71 54 | 0 |
| Euston | g | 92 60 | 0·23 |
| G'lburn | b | 79 44 | 0 |
| Wagga | g | 75 52 | 0 |
| C Geo | p | 77 40 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

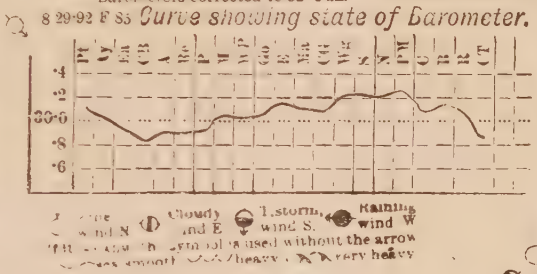
From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 2 1883.

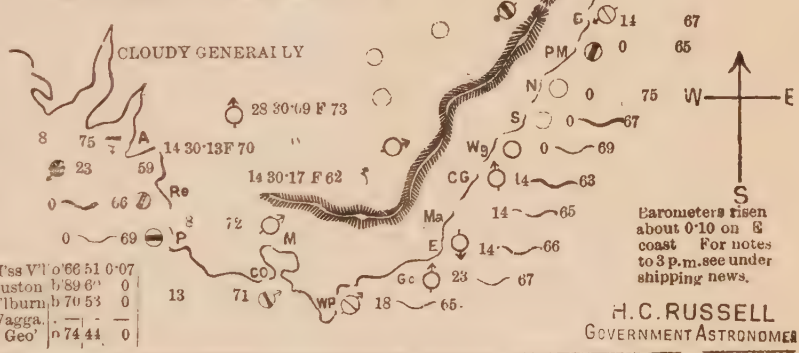
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years 50·640.
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 31 17·904
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | W | M.X | M | R'in |
|---|---|---|---|---|
| Casino | b | 90 | 56 | 0 |
| Tent'rfield | g | 79 | 62 | 0·45 |
| Clarence . | g | 77 | 66 | 0 |
| Moree | b | 88 | | 0 |
| Grafton | b | 85 | 63 | 0 |
| Gl'n Inn's | b | 77 | 51 | 0 |
| Inverell. | b | 76 | 48 | 0·30 |
| Bourke | b | 92 | 60 | 0 |
| Narrabri . | g | 88 | 55 | 0·41 |
| Armidale. | c | 7[illegible] | | 0·43 |
| Bendem'r | b | 72 | 11 | 0·31 |
| Gunned'h | b | 92 | 60 | 0·73 |
| C'n'mble . | b | 77 | 65 | 0 |
| Kempsey | . | — | | — |
| Walcha.. | c | 65 | 42 | 0·65 |
| Tamw'rth | b | — | — | 0·47 |
| Coonab'n. | b | 79 | 57 | 0·04 |
| P. M'cqrie | g | 81 | 61 | 0 |
| W'lcannia | b | | | 0 |
| Murr'ndi . | g | 74 | 58 | 0·36 |
| Taree | . | — | — | 0 |
| Cassilis | b | 83 | 60 | 0 |
| Muss'br'k | b | 88 | 60 | 0 |
| Dubbo . | b | 79 | 59 | 0 |
| Menindie. | b | 91 | 61 | 0 |
| Singleton | b | 82 | 56 | 0 |
| Nels'n's B. | b | 87 | 56 | 0 |
| 13 67 Mudg' | b | 90 | 53 | 0 |
| Maitland. | b | 82 | 63 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 76 | 64 | 0 |
| Orange .. | . | | — | — |
| Bathurst | . | — | — | — |
| Forbes .. | b | 82 | 57 | 0 |
| M. Vict'ria | b | 60 | 50 | 0·55 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 84 | 51 | 0 |
| Picton .. | b | 73 | 52 | 0 |
| Sydney . | b | 71 | 62 | 0·01 |
| Wentw'th | b | 90 | 65 | 0 |
| Young . | b | 93 | 53 | 0 |
| Woll'g'ng | b | 71 | 51 | 0·30 |
| Taralga.. | b | 75 | 45 | 0·53 |
| Hay .... | . | — | — | — |




| Stations. | WT | M.X | M | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 58 | 54 | 0 |
| Deniliquin. | b | 82 | 67 | 0 |
| Moruya .. . | b | 72 | 67 | 0 |
| Kiandra.. | b | 87 | 35 | 0 |
| Albury ... | b | 80 | 52 | 0·08 |
| Bodalla.. | b | 81 | 53 | 0 |
| Cooma .... | b | 78 | 43 | 0 |
| Eden .... | b | 71 | 66 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 66 | 51 | 0·07 |
| Euston | b | 89 | 60 | 0 |
| G'lburn | b | 70 | 53 | 0 |
| Wagga. | . | — | — | — |
| C Geo' | b | 74 | 44 | 0 |

Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

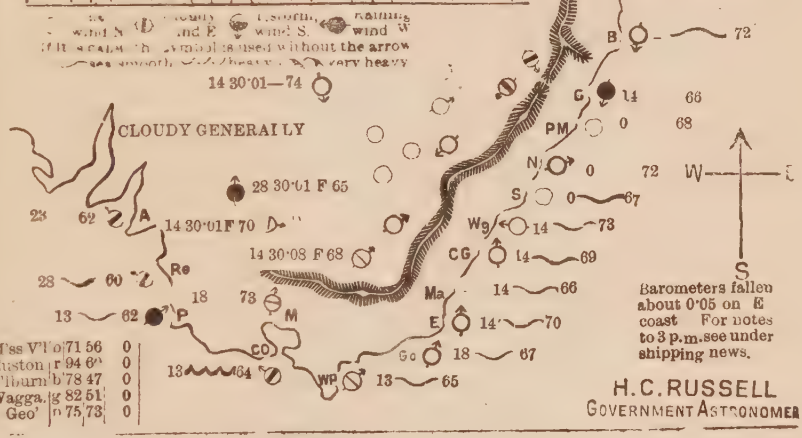
Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 31 17·905
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | | | | |
|---|---|---|---|---|
| Casino | c | 84 | 58 | 0 |
| Tent'rfield | g | 80 | 55 | 0 |
| Clarence . | r | 77 | 64 | 0·11 |
| Moree | b | 90 | — | 0 |
| Grafton | b | 81 | 61 | 0 |
| Gl'n Inn's | g | 78 | 54 | 0 |
| Inverell. | c | 70 | 48 | 0 |
| Bourke | g | 86 | [illegible] | 0 |
| Narrabri . | b | 80 | 55 | 0·55 |
| Armidale. | g | 65 | | 0 |
| Bendem'r | b | 72 | 36 | 0 |
| Gunned'h | b | 87 | 65 | 0 |
| C'n'mble . | b | 84 | 62 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 70 | — | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 83 | 4[illegible] | 0 |
| P. M'cqrie | b | 79 | 60 | 0 |
| W'lcannia | g | — | — | 0 |
| Murr'ndi . | b | 75 | 56 | 0 |
| Taree | b | 79 | 61 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 87 | 56 | 0 |
| Dubbo . | b | 81 | 63 | 0 |
| Menindie. | r | 92 | 70 | 0·11 |
| Singleton | b | 81 | 60 | 0 |
| Nels'n's B' | b | 78 | 59 | 0 |
| 13 64 | | | | |
| Mudg' | b | 90 | 55 | 0 |
| Maitland. | b | 80 | 60 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 77 | 63 | 0 |
| Orange .. | b | 73 | 53 | 0 |
| Bathurst | b | 79 | 49 | 0 |
| Forbes .. | b | 84 | 59 | 0 |
| M. Vict'ria | b | 62 | 52 | 0 |
| Carcoar . | b | 82 | 58 | 0 |
| Cond'b'lin | b | 8[illegible] | [illegible] | 0 |
| Marsdens | b | 85 | 65 | 0 |
| Picton .. | b | 71 | [illegible] | 0 |
| Sydney . | b | 75 | [illegible] | 0 |
| Wentw'th | r | 93 | 66 | 0·43 |
| Young . | b | 95 | 55 | 0 |
| Woll'g'ng | c | 81 | 60 | 0 |
| Taralga.. | b | 77 | 49 | 0 |
| Hay .... | c | 87 | 64 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| M'ss V'l'o | b | 71 | 56 | 0 |
| Euston | r | 94 | 6[illegible] | 0 |
| G'lburn | b | 78 | 47 | 0 |
| Wagga. | g | 82 | 51 | 0 |
| C Geo' | b | 75 | 73 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| Queanbe'an | b | 74 | 55 | 0 |
| Deniliquin. | g | 88 | 65 | 0 |
| Moruya .. | b | 74 | 65 | 0 |
| Kiandra.. | b | 73 | 35 | 0 |
| Albury ... | c | 85 | 56 | 0 |
| Bodalla.. | b | 80 | 51 | 0 |
| Cooma .... | b | 83 | 47 | 0 |
| Eden .... | b | 73 | 68 | 0 |

*Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m., S.M.T.
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fallen about 0·05 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 4 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to March 31 17·905
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in. |
|---|---|---|---|---|
| Queanbe'an | g | 75 | 57 | 0 |
| Deniliquin. | g | 81 | 52 | 0·56 |
| Moruya .. . | g | 75 | 60 | 0 |
| Kiandra.. | r | 68 | 47 | 0·48 |
| Albury ... | b | 82 | 56 | 0·2[illegible] |
| Bodalla.. | g | 81 | 52 | [illegible] |
| Cooma .... | g | 79 | [illegible] | 0 |
| Eden .... | g | 74 | 63 | [illegible] |

*Curve showing state of Barometer.*

Fine wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

Barometers fallen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

| STATIONS | WT | M'N | M'X | R'in |
|---|---|---|---|---|
| Casino . | b | 78 | 58 | 0·20 |
| Tent'rfield | g | 88 | 52 | 0 |
| Clarence . | b | 77 | 63 | 0 |
| Moree | g | 90 | - | 0 |
| Grafton | b | 75 | 60 | 0 |
| Gl'n Inn's | g | 73 | 54 | 0 |
| Inverell. | g | 70 | 47 | 0 |
| Bourke | g | 87 | 66 | 0·15 |
| Narrabri . | g | 82 | 64 | 0 |
| Armidale. | b | 70 | — | 0 |
| Bendem'r | b | 72 | 31 | 0 |
| Gunned'h | c | 91 | 66 | 0 |
| C'n'mble . | g | 83 | 68 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 70 | | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | p | 85 | 57 | 0 |
| P. M'cqrie | b | 82 | 60 | 0 |
| W'lcannia | b | — | — | 0·10 |
| Murr'ndi | b | 75 | 59 | 0 |
| Taree.. | b | 85 | 61 | 0 |
| Cassilis | b | 75 | 60 | 0 |
| Muss'br'k | b | 87 | 57 | 0 |
| Dubbo . | g | 82 | 66 | 0 |
| Menindie. | b | 75 | 59 | 0 |
| Singleton | b | 83 | 60 | 0 |
| Nels'n's B' | b | 86 | 64 | 0 |
| 8 64 Mudg' | g | 85 | 57 | 0 |
| Maitland. | b | 80 | 59 | 0 |
| Hill End. | g | — | — | 0 |
| N'wcastle | b | 77 | 60 | 0 |
| Orange .. | g | 74 | 58 | 0 |
| Bathurst | g | 76 | 53 | 0 |
| Forbes .. | g | 83 | 58 | 0 |
| M. Vict'ria | b | 69 | 54 | 0 |
| Carcoar . | g | 72 | 55 | 0 |
| Coud'b'lin | c | 92 | 79 | 0·08 |
| Marsdens | g | 81 | 66 | 0·24 |
| Picton .. | g | 79 | 51 | 0 |
| Sydney .. | c | 75 | 60 | 0 |
| Wentw'th | b | 92 | 52 | 0·08 |
| Young . | p | 84 | 58 | 0·03 |
| Woll'g'ng | c | 79 | 52 | 0 |
| Taralga.. | g | 77 | 50 | 0 |
| Hay .... | b | 79 | 54 | 0·13 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 70 | 56 | 0 |
| Euston | b | 69 | 46 | 0 |
| G'lburn | b | 79 | 56 | 0 |
| Wagga. | b | 83 | 52 | 0·23 |
| C Geo'. | b | 75 | 49 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 5 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to April 5 17·992
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | wt | M.A. | Rain |
|---|---|---|---|
| Casino . | c | 86 | 62 0 |
| Tent'rfield | d | 72 | 56 0 |
| Clarence . | g | 78 | 62 0 |
| Moree .. | g | 75 | — 0·14 |
| Grafton | g | 83 | 60 0 |
| Glen Inn's | b | 73 | 51 0 |
| Inverell. | g | 73 | 45 0 |
| Bourke | b | 94 | 62 0 |
| Narrabri . | g | 80 | 55 0·25 |
| Armidale. | g | 70 | 0·79 |
| Bendem'r | g | 73 | 41 0 |
| Gunned'h | g | 82 | 64 0·30 |
| Cr'mble . | g | 76 | 66 0 |
| Kempsey . | | — | — — |
| Walcha.. | b | 71 | 0·62 |
| Tamw'rth. | b | — | — 0 |
| Coonab'n. | r | 85 | 57 1·45 |
| P. M'cquie | b | 80 | 65 0 |
| W'lcannia | b | — | — 0 |
| Murr'ndi . | r | 71 | 59 0·23 |
| Taree.. | b | 84 | 62 0 |
| Cassilis | r | 73 | 31 0 |
| Muss'br'k | g | 84 | 63 0·66 |
| Dubbo . | p | 74 | 63 0·33 |
| Menindie. | b | 79 | 60 0 |
| Singleton | c | 80 | 65 0·38 |
| Nels'n's B' | g | 87 | 66 0 |
| 0 66 | | | |
| Mudg' | r | 73 | 58 0·53 |
| Maitland. | b | 84 | 61 0 |
| Hill End. | f | — | — 0·15 |
| N'weastle | .. | 80 | 64 0 |
| Orange .. | r | 70 | 58 0·30 |
| Bathurst | r | 72 | 52 0·21 |
| Forbes .. | r | 79 | 56 0·75 |
| M. Vict'ria | g | 62 | 54 0·10 |
| Carcoar . | r | 68 | 57 0·88 |
| Coud'b'lin | b | 82 | 79 0 |
| Marsdens | b | 80 | 68 0 |
| Picton .. | g | 77 | 54 0·74 |
| Sydney . | g | 77 | 67 0·08 |
| Wentw'th | b | 68 | 57 0 |
| Young . | g | 86 | 57 0·16 |
| Woll'g'ng | p | 80 | 62 0 |
| Taralga.. | r | 71 | 53 0·23 |
| Hay .... | c | 74 | 54 0 |

| Stations. | WT | M.A. | Min | Rain |
|---|---|---|---|---|
| Queanbe'an | g | 69 | 56 | 0·14 |
| Deniliquin. | g | 73 | 52 | 0 |
| Moruya .. | p | 75 | 63 | 0·05 |
| Kiandra.. | b | 71 | 39 | 0 |
| Albury ... | b | 79 | 48 | 0 |
| Bodalla .. | p | 79 | 58 | 0·04 |
| Cooma .. | c | 78 | 43 | 0 |
| Eden .... | b | 71 | 66 | 0 |

## Curve showing state of Barometer.

Cloudy. Thunderstorm. Raining
wind N. wind E. wind S. wind W
If it is CALM, the symbol is used without the arrow.
sea smooth heavy very heavy.

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

CLOUDY GENERALLY

28 30·16 R 57
14 30·06 E 60
30·04 F 61
28 30·00 F 75

| | | |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 6 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to April 6 18·382
Barometers corrected to 32° Fah. and Mean Sea Level

13 30·31 R 68 *Curve showing state of Barometer.*

Fine wind N. Cloudy and E. Thunderstorm, raining wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth very heavy

14 30·07 R 70

CLOUDY GENERALLY

28 30·07 F 51

14 30·13R 53

0 30·07 R 56

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·05 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | o | 80 | 58 | 0·35 |
| Tent'rfield | b | 73 | 51 | 1·24 |
| Clarence . | b | 78 | 65 | 0·08 |
| Moree . | f | 78 | .. | 0·02 |
| Grafton | g | 80 | 61 | 0·68 |
| Gl'n Inn's | g | 71 | 52 | 0·45 |
| Inverell. | p | 76 | 46 | 0·20 |
| Bourke | b | 81 | 57 | 0 |
| Narrabri . | g | 82 | 52 | 0·60 |
| Armidale. | b | 67 | .. | 0·13 |
| Bendem'r | g | 70 | 42 | 0·50 |
| Gunned'h | g | 74 | 60 | 0·44 |
| C'n'mble . | o | 78 | 57 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | b | 67 | .. | 0·34 |
| Tamw'rth | c | — | — | 0·53 |
| Coonab'n. | b | 69 | 46 | 0·64 |
| P. M'cqrie | b | 81 | 63 | 0·07 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 65 | 44 | 0·38 |
| Taree | b | 84 | 65 | 1·02 |
| Cassilis | b | 75 | 68 | 0·89 |
| Muss'br'k | g | 76 | 60 | 0·26 |
| Dubbo . | b | 72 | 58 | 0 |
| Menindie. | b | 73 | 55 | 0 |
| Singleton | b | 74 | 58 | 0·08 |
| Nels'n's B' | b | 83 | 57 | 0·65 |
| 18 64 | | | | |
| Mudg' | b | 66 | 49 | 0·25 |
| Maitland. | b | 80 | 57 | 0·12 |
| Hill End. | .. | -- | -- | 0·28 |
| N'wcastle | b | 74 | 58 | 0·48 |
| Orange .. | b | 61 | 43 | 0·05 |
| Bathurst | b | 61 | 46 | 0·42 |
| Forbes .. | n | 80 | 57 | 0 |
| M. Vict'ria | b | 57 | 45 | 0·30 |
| Carcoar . | n | 78 | 58 | 1·75 |
| Cond'b'lin | b | 81 | 78 | 0 |
| Marsdens | b | 74 | 57 | 0 |
| Picton .. | b | 70 | 49 | 0·63 |
| Sydney . | g | 73 | 58 | 0·39 |
| Wentw'th | g | 68 | 48 | 0 |
| Young . | b | 86 | 46 | 0 |
| Woll'g'ng | b | 69 | 53 | 0·57 |
| Taralga.. | b | 73 | 40 | 0·47 |
| Hay .... | n | 72 | 54 | 0 |
| M'ss V'l'y | o | 67 | 48 | 1·00 |
| Euston | b | 71 | 41 | 0 |
| G'lburn | b | 63 | 44 | 0·09 |
| Wagga. | b | 73 | 37 | 0 |
| C Geo' | p | 69 | 39 | 1·85 |

| Stations. | WT | M'x | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 67 | 56 | 0 |
| Deniliquin. | b | 71 | 45 | 0 |
| Moruya .. . | o | 70 | 56 | 0·48 |
| Kiandra.. | f | 59 | 28 | 0 |
| Albury ... | b | 71 | 40 | 0 |
| Bodalla.. | b | 73 | 55 | 0·43 |
| Cooma .... | c | 71 | 44 | 0·08 |
| Eden .... | b | 73 | 63 | 0 |

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. APRIL 7 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... | 50·640 |
| Average for 25 years from Jan. 1st to | February 28 | 9·756 |
| Total Rainfall from Jan. 1st to | April 7 | 18·385 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| Stations | wt | m'x | m'n | r'in |
|---|---|---|---|---|
| Casino . | b | 87 | 59 | 0 |
| Tent'rfield | u | 73 | 63 | 0 |
| Clarence . | g | 76 | 64 | 0·20 |
| Moree . | b | 83 | - | 0 |
| Grafton | u | 85 | 61 | 0 |
| Gl n Inn's | b | 70 | 47 | 0 |
| Inverell. | b | 74 | 42 | 0 |
| Bourke | u | 79 | 57 | 0 |
| Narrabri . | u | 70 | 51 | 0 |
| Armidale. | b | 66 | — | 0 |
| Bendem'r | b | 70 | 31 | 0 |
| Gunned'h | b | 81 | 65 | 0 |
| C'n'mble . | b | 76 | 50 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 65 | | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 74 | 39 | 0 |
| P. M'cqrie | b | 81 | 63 | 0 |
| W'lcannia | b | — | - | 0 |
| Murr'ndi . | b | 67 | 57 | 0 |
| Taree. | b | 77 | 60 | 0 |
| Cassilis | b | 69 | 36 | 0 |
| Muss'br'k | b | 77 | 52 | 0 |
| Dubbo . | b | 73 | 51 | 0 |
| Menindie. | b | 74 | 52 | 0 |
| Singleton | b | 72 | 54 | 0 |
| Nels'n's B· | b | 83 | 55 | 0 |
| Mudg' | b | 80 | 44 | 0 |
| Maitland. | b | 80 | 54 | 0 |
| Hill End. | b | -- | - | 0 |
| N'wcastle | b | 75 | 57 | 0 |
| Orange .. | b | 66 | 38 | 0 |
| Bathurst | b | 68 | 38 | 0 |
| Forbes .. | b | 79 | 51 | 0 |
| M.Vict'ria | . | — | — | — |
| Carcoar . | b | 62 | 48 | 0 |
| Cond'b'lin | b | 79 | — | 0 |
| Marsdens | b | 72 | 52 | 0 |
| Picton .. | b | 67 | 44 | 0·08 |
| Sydney . | b | 67 | 56 | 0 |
| Wentw'th | b | 72 | 47 | 0 |
| Young . | b | 86 | 40 | 0 |
| Woll'g'ng | b | 73 | 49 | 0 |
| Taralga.. | b | 64 | 35 | 0 |
| Hay .... | b | 74 | 54 | 0 |
| M'ss V'l | b | 65 | 41 | 0 |
| Euston | o | 71 | 37 | 0 |
| G'lburn | b | 70 | 35 | 0 |
| Wagga. | b | 69 | 34 | 0 |
| C Geo' | g | 66 | 37 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 67 | 44 | 0 |
| Deniliquin. | b | 79 | 41 | 0 |
| Moruya . . | o | 68 | 53 | 0 |
| Kiandra.. | b | 59 | 23 | 0 |
| Albury ... | b | 73 | 38 | 0 |
| Bodalla.. | g | 74 | 44 | 0 |
| Cooma ... | o | 71 | 39 | 0 |
| Eden .... | b | 71 | 60 | 0 |

23 30·19 F 76 *Curve showing state of Barometer.*

wind N; Cloudy, wind E; Storm, wind S.; Raining wind W

If it is calm, the symbol is used without the arrow

sea smooth; heavy; very heavy.

TIME BALL

Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time

Mag. Var. 9°35′30″ E

Barometers rised about 0·16 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

Government Astronomer

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 9 1883.

Sydney Observatory.

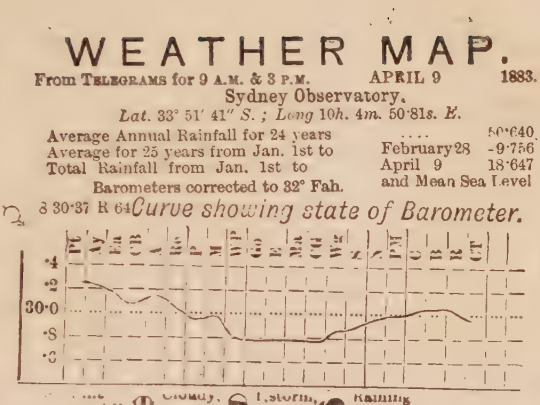
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ... 50·640.
Average for 25 years from Jan. 1st to February 28 - 9·756
Total Rainfall from Jan. 1st to April 9 18·647
and Mean Sea Level

Barometers corrected to 32° Fah.

| Stations. | wt | m'x | m'n | r'in |
|---|---|---|---|---|
| Casino . | o | 86 | 51 | 0 |
| Tent'rfield | g | 78 | 5[illegible] | 0 |
| Clarence . | b | 77 | 64 | 0 |
| Moree . | u | 85 | [illegible] | 0·24 |
| Grafton | b | 85 | 60 | 0 |
| Gl'n Inn's | r | 77 | 48 | 0 |
| Inverell. | r | 75 | 41 | 0 |
| Bourke | b | 92 | 56 | 0 |
| Narrabri . | u | 82 | 40 | 0·05 |
| Armidale. | d | 70 | [illegible] | 0 11 |
| Bendem'r | r | 74 | 30 | 0·30 |
| Gunned'h | g | 83 | 33 | 1·42 |
| C'n'mble . | c | 71 | 64 | 0·62 |
| Kempsey | . | — | — | — |
| Walcha.. | r | 74 | [illegible] | 0 |
| Tamw'rth | r | — | — | 0·51 |
| Coonab'n. | p | 80 | 58 | 1·32 |
| P. M'cqrie | g | 79 | 63 | 0 |
| W'lcannia | b | — | [illegible] | 0 |
| Murr'ndi . | r | 73 | 0 | 0·68 |
| Taree . | r | 78 | 59 | 0 |
| Cassilis | r | 75 | 53 | 0·40 |
| Muss'br'k | p | 83 | 57 | 0·31 |
| Dubbo . | g | 75 | 51 | 0·30 |
| Menindie. | c | 76 | 55 | 0·18 |
| Singleton | e | 71 | 55 | 0·30 |
| Nels'n's P. | r | 76 | 63 | 0·60 |
| Mudg' | r | 84 | 59 | 0·50 |
| Maitland. | r | 77 | [illegible] | 0·22 |
| Hill End. | p | — | — | 0·45 |
| N'wcastle | r | 74 | 61 | 0·05 |
| Orange .. | g | 63 | 54 | 0·60 |
| Bathurst | r | 76 | 49 | 0·60 |
| Forbes .. | n | 82 | 54 | 0·64 |
| M.Vict'ria | g | 66 | 44 | 0·43 |
| Carcoar . | r | 67 | 47 | 0·28 |
| Cond'b'lin | c | 81 | — | 0·05 |
| Marsdens | b | 80 | 52 | 0·08 |
| Picton .. | d | 73 | 54 | 0·19 |
| Sydney . | p | 71 | 61 | 0·26 |
| Wentw'th | b | 73 | 49 | 0·10 |
| Young . | r | 84 | 52 | 0·32 |
| Woll'g'ng | p | 78 | 61 | 0·12 |
| Taralga.. | r | 74 | 54 | 0·20 |
| Hay .... | b | 80 | 55 | 0·25 |
| M'ss V'l | g | 69 | 56 | 0·10 |
| Euston | b | 81 | 42 | 0·11 |
| G'lburn | r | 80 | 38 | 0·32 |
| Wagga. | g | 79 | 34 | 0·51 |
| C Geo' | r | 72 | 45 | 0·03 |

| Stations. | WT | M.X | Mn | R'in. |
|---|---|---|---|---|
| Queanbe'an | r | 69 | 44 | 0·55 |
| Deniliquin. | b | 73 | 49 | 0·25 |
| Moruya .. | r | 72 | 60 | 0·16 |
| Kiandra.. | | — | — | — |
| Albury ... | | — | — | — |
| Bodalla.. | r | 78 | 42 | 0·31 |
| Cooma ... | r | 79 | 37 | 0·30 |
| Eden .... | | — | — | — |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 10 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 10 18·682
Barometers corrected to 32° Fah. and Mean Sea Level

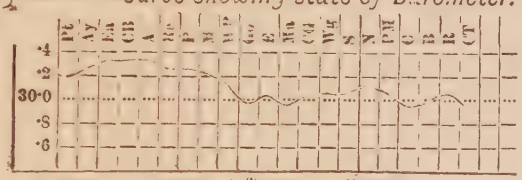
| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 84 | 51 | 0 |
| Tent'rfield | b | 68 | 46 | 0 |
| Clarence . | b | 75 | 65 | 0 |
| Moree .. | b | 86 | - | 0 |
| Grafton | b | 79 | 54 | 0 |
| Gl'n Inn's | b | 57 | 35 | 0·22 |
| Inverell. | b | 70 | 38 | 0·50 |
| Bourke | b | 81 | 56 | 0 |
| Narrabri . | b | 75 | 33 | 0 |
| Armidale. | b | 70 | | 0·23 |
| Bendem'r | c | 66 | 24 | 0·39 |
| Gunned'h | b | 83 | 52 | 0·12 |
| C'n'mble . | b | 74 | 51 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 63 | | 0·27 |
| Tamw'rth | b | — | — | 0·24 |
| Coonab'n. | b | 70 | 45 | 0·06 |
| P. M'cqrie | b | 77 | 51 | 0·09 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 70 | 40 | 0 |
| Taree | b | 76 | 55 | 0·18 |
| Cassilis | b | 75 | 55 | 0·[illegible]5 |
| Muss'br'k | b | 77 | 48 | 0·12 |
| Dubbo . | b | 77 | 52 | 0 |
| Menindie. | c | 70 | 56 | 0 |
| Singleton | b | 73 | 52 | 0·06 |
| Nels'n's B' | b | 81 | 52 | 0·20 |
| 0 67 | | | | |
| Mudg' | n | 76 | 48 | 0 |
| Maitland. | b | 74 | 53 | 0·30 |
| Hill End. | b | — | — | 0·31 |
| N'weastle | b | 74 | 52 | 0·24 |
| Orange .. | b | 66 | 45 | 0 |
| Bathurst | b | 62 | 42 | 0·24 |
| Forbes .. | b | 79 | 54 | 0 |
| M. Vict'ria | b | 66 | 41 | 0 |
| Carcoar . | b | 62 | 42 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 69 | 55 | 0 |
| Picton .. | b | 68 | 49 | 0·22 |
| Sydney . | b | 72 | 56 | 0·04 |
| Wentw'th | c | 74 | 52 | 0 |
| Young . | b | 76 | 39 | 0·05 |
| Woll'g'ng | b | 84 | 55 | 0·14 |
| Taralga.. | b | 64 | 40 | 0·31 |
| Hay .... | b | 63 | 50 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 45 | 0·38 |
| Deniliquin. | | 68 | 43 | 0 |
| Moruya .. . | b | 69 | 48 | 0 |
| Kiandra.. | | — | — | — |
| Albury ... | b | 63 | 39 | 0·06 |
| Bodalla.. | | 78 | 38 | 0·74 |
| Cooma ... | g | 57 | 41 | 0·30 |
| Eden .... | | 71 | 62 | 0·49 |

23 30·41 R 62 *Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6



Fine wind N. Cloudy wind E T. storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow. sea smooth. heavy very heavy.

28 30·14 R 71

FINE GENERALLY

28 30 06 F 56

14 30·24 F 55

0 30 15 —49

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 0·15 on E coast For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 61 | 43 | 0·25 |
| Euston | b | 74 | 47 | 0 |
| G'lburn | g | 61 | 42 | 0 |
| Wagga. | b | 66 | 36 | 0 12 |
| C Geo' | b | 72 | 35 | 0 41 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .. | 50·640 |
| Average for 25 years from Jan. 1st to | February 28 | 9·756 |
| Total Rainfall from Jan. 1st to | April 11 | 18·682 |

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | m'x | m'n | r'in |
|---|---|---|---|---|
| Casino . | o | 82 | 47 | 0 |
| Tent'rfield | b | 70 | 48 | 0 |
| Clarence . | b | 77 | 53 | 0 |
| Moree .. | b | 81 | - | 0 |
| Grafton | b | 83 | 50 | 0 |
| Gl n Inn's | n | 70 | 39 | 0 |
| Inverell. | b | 69 | 39 | 0 |
| Bourke | b | 79 | 54 | 0 |
| Narrabri . | b | 73 | 45 | 0 |
| Armidale.. | b | 64 | | 0 |
| Bendem'r | b | [illegible] | 23 | 0 |
| Gunned'h | b | [illegible] | 53 | 0 |
| C'n'mble . | b | 75 | 47 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | [illegible] | - | 0 |
| Tamw'rth | b | | - | 0 |
| Coonab'n. | b | 66 | 47 | 0 |
| P. M'cqrie | o | 72 | [illegible] | 0 |
| W'lcannia | b | | | 0 |
| Murr'ndi . | b | 66 | 47 | 0 |
| Taree . | n | 73 | 54 | 2 |
| Cassilis | b | 70 | 53 | 0 |
| Muss'br'k | b | 74 | 51 | 0 |
| Dubbo . | b | 70 | 49 | 0 |
| Menindie. | . | — | — | — |
| Singleton | b | 73 | 55 | 0 |
| Nels'n's B' | b | 81 | 53 | 0 |
| Mudg' | b | 85 | 44 | 0 |
| Maitland. | b | 71 | 55 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 76 | 53 | 0 |
| Orange .. | b | 61 | 38 | 0 |
| Bathurst | b | 67 | 39 | 0 |
| Forbes .. | b | 82 | 57 | 0 |
| M. Vict'ria | n | 81 | 41 | 0 |
| Carcoar . | r | 60 | 40 | 0 |
| Cond'b'lin | b | 82 | 72 | 0 |
| Marsdens | o | 72 | 51 | 0 |
| Picton .. | c | 68 | 50 | 0 |
| Sydney .. | o | 69 | 58 | 0 |
| Wentw'th | . | — | — | — |
| Young . | b | 81 | 37 | 0 |
| Woll'g'ng | b | 75 | 35 | 0 |
| Taralga.. | b | 70 | 35 | 0 |
| Hay .... | b | 70 | 52 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 61 | 48 | 0 |
| Euston | b | 70 | 38 | 0 |
| G'lburn | | 72 | 45 | 0 |
| Wagga. | b | 67 | 34 | 0 |
| C Geo' | b | 67 | 38 | 0 |

| Stations. | WT | M,X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 60 | 49 | 0 |
| Deniliquin. | b | 63 | 44 | 0 |
| Moruya . | o | 70 | 63 | 0 |
| Kiandra | | — | — | — |
| Albury ... | o | 71 | 38 | 0 |
| Bodalla . | b | 72 | 41 | 0 |
| Cooma .. | g | 60 | 40 | 0 |
| Eden .... | b | 60 | 54 | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 12 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

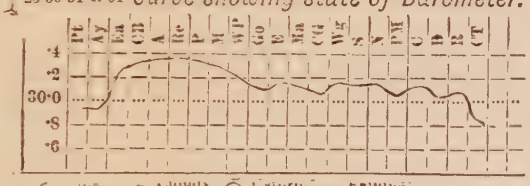
Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 12 18·682
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'N | VT | R'In |
|---|---|---|---|---|
| Casino .. | b | 82 | 50 | 0 |
| Tent'rfield. | b | 74 | 46 | 0 |
| Clarence . | b | 72 | 60 | 0 |
| Moree .. | b | 86 | - | 0 |
| Grafton . | b | 85 | 55 | 0 |
| Gl'n Inn's | b | 71 | 41 | 0 |
| Inverell. | b | 69 | 36 | 0 |
| Bourke | b | 79 | 53 | 0 |
| Narrabri . | b | 77 | 34 | 0 |
| Armidale. | b | 64 | | 0 |
| Bendem'r | b | 63 | 24 | 0 |
| Gunned'h | b | 81 | 53 | 0 |
| C'n'mble . | b | 74 | 50 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | b | 65 | - | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 74 | 47 | 0 |
| P. M'cqrie | c | 73 | 54 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 68 | 47 | 0 |
| Taree. | g | 73 | 58 | 0 |
| Cassilis | g | 65 | 57 | 0 |
| Muss'br'k | b | 76 | 49 | 0 |
| Dubbo . | b | 70 | 49 | 0 |
| Menindie. | b | 69 | 54 | 0 |
| Singleton | b | 73 | 49 | 0 |
| Nels'n's B' | b | 86 | 55 | 0 |
| ♂ 8 68 Mudg' | b | 82 | 45 | 0 |
| Maitland. | b | 75 | 56 | 0 |
| Hill End. | b | -- | -- | 0 |
| N'wcastle | b | 77 | 52 | 0 |
| Orange .. | . | — | -- | — |
| Bathurst | b | 69 | 38 | 0 |
| Forbes .. | . | — | — | — |
| M. Vict'ria | b | 61 | 42 | 0 |
| Carcoar . | b | 60 | 47 | 0 |
| Coud'b'lin | . | — | — | — |
| Marsdens | b | 74 | 52 | 0 |
| Picton .. | b | 70 | 44 | 0 |
| Sydney .. | b | 69 | 56 | 0 |
| Wentw'th | b | 70 | 48 | 0 |
| Young . | b | 86 | 40 | 0 |
| Woll'g'ng | b | 74 | 49 | 0 |
| Taralga.. | b | 73 | 58 | 0 |
| Hay .... | b | 71 | 50 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 64 45 | 0 |
| Euston | b | 73 40 | 0 |
| G'lburn | b | 69 39 | 0 |
| Wagga. | b | 67 34 | 0 |
| C Geo' | | 66 36 | 0 |

| Stations. | WT | M.N. | MN | R'In |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 43 | 0 |
| Deniliquin. | b | 69 | 43 | 0 |
| Moruya . | o | 68 | 50 | 0 |
| Kiandra.. | b | 72 | 25 | 0 |
| Albury ... | o | 71 | 40 | 0 |
| Bodalla . | g | 75 | 41 | 0 |
| Cooma ... | b | 62 | 40 | 0 |
| Eden .... | g | 69 | 55 | 0 |

23 30·34 R 64 *Curve showing state of Barometer.*




wind N Cloudy, wind E Thunderstorm, wind S. Raining wind W

If it is calm, the symbol is used without the arrow

sea smooth heavy very heavy.

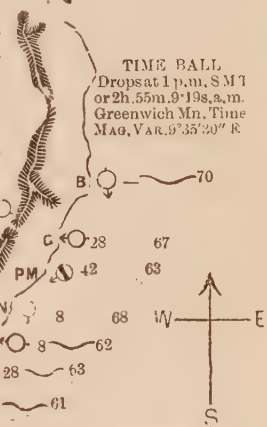
14 30·12 F 68

FINE GENERALLY

28 30·09 · 65

28 30·25F 55

14 30 19 R 53




TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·05 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 13 1883.

Sydney Observatory.

*Lat.* 33° 51′ 42″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .. 50·40
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 13 18·687
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | WT | M'X | V'I | R'in |
|---|---|---|---|---|
| Casino . | b | 81 | 46 | 0 |
| Tent'rfield | b | 78 | 41 | 0 |
| Clarence . | b | 73 | 59 | 0 |
| Moree .. | b | 86 | | 0 |
| Grafton | b | 85 | 53 | 0 |
| Gl'n Inn's | b | 74 | 42 | 0 |
| Inverell. | b | 70 | 42 | 0 |
| Bourke | b | 74 | 55 | 0 |
| Narrabri . | b | 70 | 50 | 0 |
| Armidale. | b | 68 | | 0 |
| Bendem'r | b | 69 | 31 | 0 |
| Gunned'h | b | 83 | 57 | 0 |
| C'n'mble . | b | 73 | 50 | 0 |
| Kempsey | | | | — |
| Walcha.. | b | 64 | — | 0 |
| Tamw'rth | | | | — |
| Coonab'n. | | 74 | 40 | 0 |
| P. M'cqrie | | 79 | 52 | 0 |
| W'leannia | | — | — | 0 |
| Murr'ndi . | b | 66 | 51 | 0 |
| Taree | b | 72 | 58 | 0 |
| Cassilis | b | 67 | [illegible] | [illegible] |
| Mus'l'r'h | b | 76 | 48 | 0 |
| Dubbo . | b | 71 | 52 | 0 |
| Menindie. | b | 71 | 55 | 0 |
| Singleton | b | 72 | 42 | 0 |
| Nels'n's h | b | 78 | 56 | 0·15 |
| 13 70 | | | | |
| Mudg' | b | 63 | 45 | 0 |
| Maitland. | b | 75 | 55 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 76 | 57 | 0·07 |
| Orange .. | b | 63 | 42 | 0 |
| Bathurst | b | 67 | 38 | 0 |
| Forbes .. | b | 82 | 54 | 0 |
| M. Vict'ria | b | 56 | 43 | 0 |
| Carcoar . | b | 61 | 51 | 0 |
| Cond'b'lin | b | 78 | 69 | 0 |
| Marsdens | b | 74 | 54 | 0 |
| Picton .. | b | 67 | 46 | 0 |
| Sydney .. | c | 68 | 50 | 0 |
| Wentw'th | b | 71 | 48 | 0 |
| Young . | b | 87 | 40 | 0 |
| Woll'g'ng | c | 72 | 55 | 0 |
| Taralga.. | b | 65 | 30 | 0 |
| Hay .... | b | 74 | 33 | 0 |

| Stations. | WT | M'X | M'I | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 43 | 0 |
| Deniliquin. | b | 69 | 43 | 0 |
| Moruya . | b | 68 | 50 | 0 |
| Kiandra . | b | 72 | 25 | 0 |
| Albury .. | b | 71 | 40 | 0 |
| Bodalla . | g | 75 | 44 | 0 |
| Cooma . . | b | 62 | 40 | 0 |
| Eden .... | g | 69 | 55 | 0 |

*Curve showing state of Barometer.*




[illegible] N [illegible] and E [illegible] storm, wind S. [illegible] Raining wind W
[illegible] symbols used without the arrow
[illegible] very heavy.

| | | | |
|---|---|---|---|
| M'ss V'l | g | 59 42 | 0 |
| Euston | b | 79 35 | 0 |
| G'lburn | f | 66 39 | 0 |
| Wagga. | b | 69 37 | 0 |
| C Geo' | c | 66 42 | 0 |

Barometers risen about 0·15 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 14 1883.

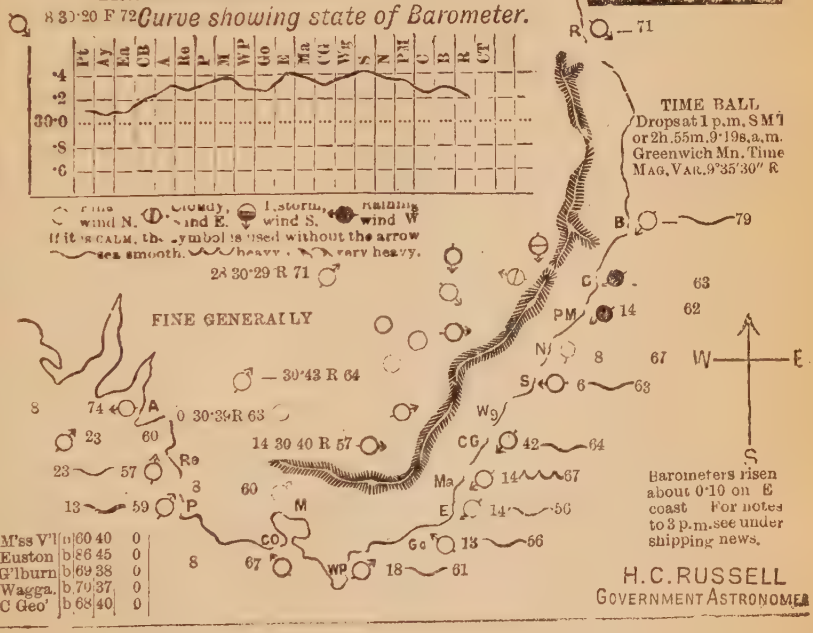
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 14 18·687
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | c | 79 | 53 | 0 |
| Tent'rfield | g | 72 | 50 | 0 |
| Clarence . | r | 73 | 61 | 0·37 |
| Moree .. | o | 87 | - | 0 |
| Grafton .. | g | 79 | 57 | 0 |
| Gl'n Inn's | b | 69 | 46 | 0 |
| Inverell. | b | 70 | 43 | 0 |
| Bourke | b | 79 | 58 | 0 |
| Narrabri . | b | 75 | 50 | 0 |
| Armidale. | g | 63 | — | 0 |
| Bendem'r | b | 66 | 31 | 0 |
| Gunned'h | b | 83 | 57 | 0 |
| C'n'mble . | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | c | 59 | - | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 70 | 39 | 0 |
| P. M'cqrie | p | 72 | 60 | 1·22 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 65 | 56 | 0 |
| Taree. | b | 70 | 59 | 0·07 |
| Cassilis | b | 65 | 45 | 0 |
| Muss'br'k | b | 75 | 50 | 0 |
| Dubbo . | b | 72 | 52 | 0 |
| Menindie. | b | 74 | 46 | 0 |
| Singleton | b | 71 | 55 | 0 |
| Nels'n's B' | . | — | — | — |
| 28 76 Mudg' | b | 74 | 46 | 0 |
| Maitland. | b | 72 | 58 | 0 |
| Hill End. | . | — | - | — |
| N'wcastle | b | 72 | 60 | 0 |
| Orange .. | b | 63 | 40 | 0 |
| Bathurst | b | 66 | 48 | 0 |
| Forbes .. | b | 79 | 54 | 0 |
| M. Vict'ria | b | 58 | 44 | 0 |
| Carcoar . | b | 65 | 45 | 0 |
| Cond'b'lin | b | 76 | 60 | 0 |
| Marsdens | b | 75 | 52 | 0 |
| Picton .. | b | 67 | 42 | 0 |
| Sydney .. | c | 68 | 54 | 0 |
| Wentw'th | b | 90 | 52 | 0 |
| Young . | b | 84 | 41 | 0 |
| Woll'g'ng | . | — | — | — |
| Taralga.. | b | 70 | 30 | 0 |
| Hay .... | | — | — | — |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 64 | 44 | 0 |
| Deniliquin. | b | 72 | 42 | 0 |
| Moruya .. . | o | 68 | 49 | 0 |
| Kiandra.. | b | 75 | 22 | 0 |
| Albury .... | o | 75 | 41 | 0 |
| Bodalla.. | b | 73 | 40 | 0 |
| Cooma .... | b | 70 | 34 | 0 |
| Eden .... | b | 69 | 56 | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 60 | 40 | 0 |
| Euston | b | 86 | 45 | 0 |
| G'lburn | b | 69 | 38 | 0 |
| Wagga. | b | 70 | 37 | 0 |
| C Geo' | b | 68 | 40 | 0 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. APRIL 16 1883.

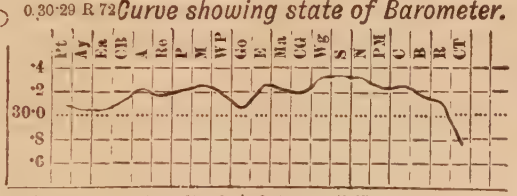
Sydney Observatory.

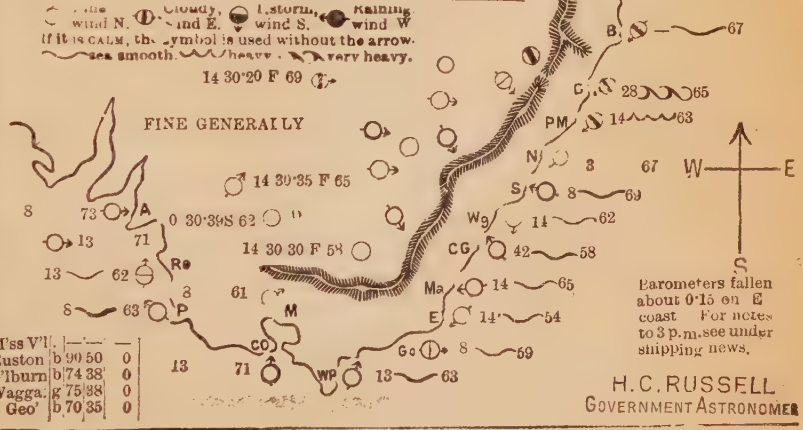
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 16 18·691
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | c | 76 | 50 | 0·04 |
| Tent'rfield | g | 68 | 49 | 0 |
| Clarence . | c | 72 | 62 | 0 |
| Moree .. | b | 89 | - | 0 |
| Grafton .. | b | 75 | 60 | 0 |
| Gl n Inn's | g | 69 | 44 | 0 |
| Inverell. | b | 73 | 40 | 0 |
| Bourke | c | 81 | 60 | 0 |
| Narrabri . | g | 80 | 57 | 0 |
| Armidale. | b | 64 | — | 0 |
| Bendem'r | c | 7[illegible] | 32 | 0 |
| Gunned'h | c | 85 | 58 | 0 |
| C'n'mble . | b | 78 | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 65 | - | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 76 | 45 | 0 |
| P. M'cqrie | c | 72 | 58 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 61 | 44 | 0 |
| Taree.. | g | 72 | 58 | 0 |
| Cassilis | b | 63 | 53 | 0 |
| Muss'br'k | g | 76 | 51 | 0 |
| Dubbo . | c | 74 | 53 | 0 |
| Menindie. | g | 83 | 58 | 0 |
| Singleton | b | 73 | 55 | 0 |
| Nels'n's B | c | 86 | 54 | 0 |
| 34 92 Mudg' | g | 87 | 45 | 0 |
| Maitland. | b | 74 | 52 | 0·02 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 54 | 0 |
| Orange .. | b | 70 | 42 | 0 |
| Bathurst | b | 74 | 38 | 0 |
| Forbes .. | b | 79 | 50 | 0 |
| M. Vict'ria | b | 61 | 43 | 0 |
| Carcoar . | b | 74 | 59 | 0 |
| Cond'b'lin | g | 72 | 60 | 0 |
| Marsdens | b | 80 | 55 | 0 |
| Picton .. | b | 79 | 41 | 0 |
| Sydney .. | c | 70 | 54 | 0 |
| Wentw'th | b | 88 | 55 | 0 |
| Young . | b | 94 | 48 | 0 |
| Woll'g'ng | b | 76 | 47 | 0 |
| Taralga.. | b | 71 | 29 | 0 |
| Hay .... | c | 84 | 55 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 70 | 40 | 0 |
| Deniliquin. | b | 83 | 58 | 0 |
| Moruya .. | b | 71 | 54 | 0 |
| Kiandra.. | b | 58 | 25 | 0 |
| Albury ... | g | 80 | 39 | 0 |
| Bodalla.. | b | 81 | 38 | 0 |
| Cooma .... | c | 70 | 37 | 0 |
| Eden .... | b | 66 | 54 | 0 |




Barometers fallen about 0·15 on E coast For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l. | . | — | — | — |
| Euston | b | 90 | 50 | 0 |
| G'lburn | b | 74 | 38 | 0 |
| Wagga. | g | 75 | 38 | 0 |
| C Geo' | b | 70 | 35 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 17 1883.

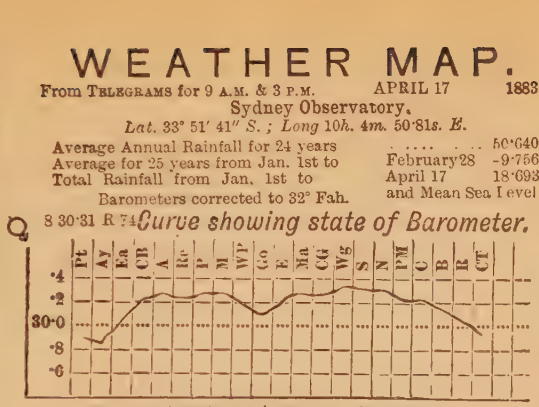
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 50·640
Average for 25 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to April 17 18·693
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | Vo | R'in |
|---|---|---|---|---|
| Casino .. | o | 77 | 53 | 0·19 |
| Tent'rfield | b | 66 | 42 | 0 |
| Clarence . | p | 72 | 61 | 0·92 |
| Moree .. | g | 84 | — | 0 |
| Grafton . | b | 78 | 57 | 0 |
| Gl'n Inn's | o | 67 | 41 | 0 |
| Inverell. | b | 69 | 41 | 0 |
| Bourke | b | 85 | 57 | 0 |
| Narrabri . | n | 79 | 39 | 0 |
| Armidale. | b | 64 | — | 0 |
| Bendem'r | g | 67 | 32 | 0 |
| Gunned'h | b | 84 | 59 | 0 |
| C'n'mble . | b | 79 | 51 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | c | 74 | — | 0·06 |
| Tamw'rth | — | — | — | — |
| Coonab'n. | b | 74 | 46 | 0 |
| P. M'oqrie | g | 73 | 55 | 0 |
| W'lcannia . | — | — | — | — |
| Murr'ndi . | b | 67 | 49 | 0 |
| Taree. | c | 72 | 58 | 0·16 |
| Cassilis | n | 63 | 55 | 0 |
| Muss'br'k | g | 77 | 50 | 0 |
| Dubbo . | b | 74 | 53 | 0 |
| Menindie. | b | 85 | 58 | 0 |
| Singleton | b | 72 | 52 | 0 |
| Nels'n B' | o | 84 | 55 | 0 |
| 34 85 | | | | |
| Mudg' | b | 66 | 44 | 0 |
| Maitland. | b | 74 | 53 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 55 | 0 |
| Orange .. | b | 69 | 40 | 0 |
| Bathurst | b | 72 | 33 | 0 |
| Forbes .. | b | 75 | 50 | 0 |
| M. Vict'ria | b | 62 | 44 | 0 |
| Carcoar . | n | 67 | 43 | 0 |
| Cond'b'lin | b | 60 | 45 | 0 |
| Marsdens | b | — | — | 0 |
| Picton .. | b | 70 | 40 | 0 |
| Sydney .. | g | 73 | 54 | 0 |
| Wentw'th | b | 89 | 51 | 0 |
| Young . | b | 84 | 42 | 0 |
| Woll'g'ng | n | 75 | 49 | 0 |
| Taralga.. | b | 75 | 35 | 0 |
| Hay .... | b | 85 | 53 | 0 |

| Stations. | WT | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 60 | 40 | | 0 |
| Deniliquin. | b | 84 | 46 | | 0 |
| Moruya .... | o | 72 | 51 | | 0 |
| Kiandra .. | b | 77 | 27 | | 0 |
| Albury .... | b | 80 | 45 | | 0 |
| Bodalla.. | b | 74 | 42 | | 0 |
| Cooma .... | b | 79 | 34 | | 0 |
| Eden ..... | b | 67 | 53 | | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 64 | 41 | 0 |
| Euston | b | 90 | 42 | 0 |
| G'lburn | b | 76 | 34 | 0 |
| Wagga. | b | 74 | 36 | 0 |
| C Geo' | b | 73 | 39 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 18 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... | 50·640 |
| Average for 25 years from Jan. 1st to | February 28 | 9·756 |
| Total Rainfall from Jan. 1st to | April 18 | 18·728 |

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | M'N | R'IN |
|---|---|---|---|---|
| Casino .. | b | 78 | 52 | 0·09 |
| Tent'rfield | b | 64 | 40 | 0 |
| Clarence . | r | 73 | 61 | 0·43 |
| Moree | b | 88 | - | 0 |
| Grafton | o | 75 | 56 | 0·03 |
| Gl'n Inn's | o | 67 | 42 | 0 |
| Inverell . | b | 71 | 40 | 0 |
| Bourke | b | 82 | 56 | 0 |
| Narrabri . | b | 90 | 40 | 0 |
| Armidale. | c | 64 | — | 0 |
| Bendem'r | b | 68 | 26 | 0 |
| Gunnedah | b | 87 | 56 | 0 |
| C'rrindble | b | 78 | 50 | 0 |
| Kempsey | | — | — | — |
| Walcha.. | o | 65 | [illegible] | 0 |
| Tam'w'rth . | | — | — | — |
| Coonab'n. | b | [illegible] | 37 | 0 |
| P. Macqrie | t | [illegible] | [illegible] | 1·16 |
| W'lcannia | . | | — | — |
| Murr'ndi . | b | [illegible] | [illegible] | 0 |
| Taree . | r | 73 | 58 | 0·03 |
| Cassilis | c | 77 | 61 | 0 |
| Muss'br'k | o | 78 | 52 | 0 |
| Dubbo . | b | 74 | 52 | 0 |
| Menindie. | b | 83 | 52 | 0 |
| Singleton | b | 74 | 53 | 0 |
| Nels'n's B. | c | 73 | 54 | 0·36 |
| 28 80 | | | | |
| Mudg' | b | 85 | 44 | 0 |
| Maitland. | b | 73 | 52 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 71 | 51 | 0 |
| Orange .. | | — | — | — |
| Bathurst | b | 72 | 39 | 0 |
| Forbes .. | b | 77 | 49 | 0 |
| M.Vict'ria | g | 60 | 45 | 0 |
| Carcoar . | r | 63 | 42 | 0 |
| Cond'b'lin | b | 71 | 68 | 0 |
| Marsdens | b | 80 | 55 | 0 |
| Picton .. | b | 71 | 41 | 0 |
| Sydney .. | d | 69 | 56 | 0·35 |
| Wentw'th | b | 86 | 53 | 0 |
| Young . | b | 95 | 44 | 0 |
| Woll'g'ng | r | 79 | 44 | 0 |
| Taralga.. | b | 73 | 40 | 0 |
| Hay .... | . | — | — | — |
| M'ss V'l | b | 63 | 45 | 0 |
| Euston | b | 88 | 41 | 0 |
| G'lburn | b | 73 | 44 | 0 |
| Wagga. | b | 75 | 37 | 0 |
| C Geo' | b | 70 | 40 | 0 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 65 | 43 | 0 |
| Deniliquin. | b | 83 | 47 | 0 |
| Moruya .. | o | 72 | 50 | 0 |
| Kiandra .. | b | 85 | 25 | 0 |
| Albury ... | b | 79 | 42 | 0 |
| Bodalla .. | b | 77 | 40 | 0 |
| Cooma .... | b | 74 | 32 | 0 |
| Eden .... | b | 69 | 57 | 0 |

0 30·32 R 70 *Curve showing state of Barometer.*

Fine. Cloudy, T.storm, Raining wind N. and E. and S. wind W. If it is calm, the symbol is used without the arrow. Sea smooth, heavy, very heavy.

TIME BALL

Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time

MAG. VAR. 9° 35′ 30″ E

Barometers risen about 0·10 on S coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 19 1883.

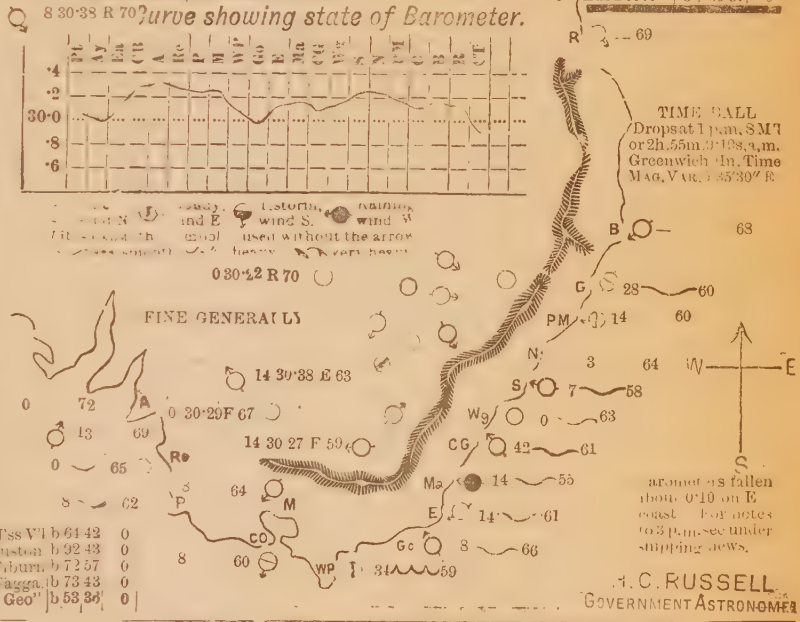
Sydney Observatory

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ·0·640
Average for 25 years from Jan. 1st to February 28 ·9·756
Total Rainfall from Jan. 1st to April 19 18·723
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X Mn | R'in |
|---|---|---|---|
| Queanbe'an | g | 68 47 | 0 |
| Deniliquin. | b | 83 52 | 0 |
| Moruya . . | p | 72 50 | 0 |
| Kiandra . . | b | 91 31 | 0 |
| Albury . . . | b | 79 49 | 0 |
| Bodalla . | p | 79 41 | 0·03 |
| Cooma . . . | c | 77 36 | 0·02 |
| Eden . . . . | b | 69 57 | 0 |

| STATIONS | WT | M'X | Y' | R'in |
|---|---|---|---|---|
| Casino . | b | 72 | 48 | 0·04 |
| Tent'rfield | b | 68 | 38 | 0 |
| Clarence . | g | 73 | 53 | 0·56 |
| Moree | b | 87 | - | 0 |
| Grafton | b | 77 | 56 | 0 |
| Gl'n Inn's | b | 70 | 37 | 0·05 |
| Inverell. | b | 70 | 38 | 0 |
| Bourke | b | 80 | 55 | 0 |
| Narrabri . | b | 84 | 54 | 0 |
| Armidale. | b | 65 | | 0·01 |
| Bendem'r | b | 69 | 25 | 0 |
| Gunned'h | b | 85 | 51 | 0 |
| C'n'mble | b | 76 | 49 | 0 |
| Kempsey | | — | - | — |
| Wilcha.. | b | 64 | - | 0 |
| Tamw'rth' | . | — | — | 0·03 |
| Coonab'n. | b | 74 | 35 | 0 |
| P. M'cqrie | g | 73 | 5 | 0·11 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 67 | 47 | 0 |
| Taree | b | 73 | 53 | 0·23 |
| Cassilis | b | 65 | 53 | 0 |
| Muss'br'k | b | 78 | 48 | 0 |
| Dubbo . | b | 74 | 53 | 0 |
| Menindie. | b | 84 | 51 | 0 |
| Singleton | b | 73 | 51 | 0 |
| Nels'n's B' | b | 81 | 53 | 0 |
| 34 80 Mudg' | b | 85 | 39 | 0 |
| Maitland. | b | 73 | 45 | 0 |
| Hill End. | . | — | - | — |
| N'wcastle | b | 70 | 52 | 0·01 |
| Orange .. | b | 76 | 38 | 0 |
| Bathurst | b | 68 | 36 | 0 |
| Forbes .. | b | 72 | 46 | 0 |
| M. Vict'ria | b | 60 | 44 | 0 |
| Carcoar . | g | 65 | 43 | 0 |
| Cond'b'lin | b | 60 | 50 | 0 |
| Marsdens | c | 79 | 53 | 0 |
| Picton .. | b | 69 | 41 | 0 |
| Sydney . | b | 69 | 53 | 0·01 |
| Wentw'th | b | 90 | 52 | 0 |
| Young . | g | 93 | 44 | 0 |
| Wolf'g'ng | b | 78 | 47 | 0 |
| Taralga.. | b | 72 | 55 | 0 |
| Hay .... | b | 87 | 35 | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | b | 64 42 | 0 |
| Euston | b | 92 43 | 0 |
| G'lburn | b | 72 57 | 0 |
| Wagga. | b | 73 43 | 0 |
| C Geo" | b | 53 36 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 20 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

**Average** Annual Rainfall for 24 years .. 50·640

**Average** for 25 years from Jan. 1st to February 28 .. 9·756

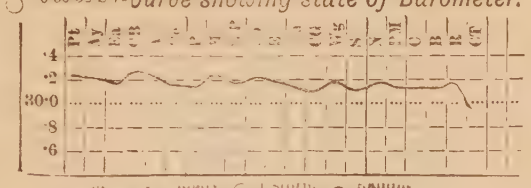
**Total** Rainfall from Jan. 1st to April 20 .. 18·738

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| Casino | g | 77 | 57 | 0·02 |
| Tent'rfield | o | 68 | 37 | 0 |
| Clarence | r | 67 | 57 | 1·82 |
| Moree | b | 86 | | 0 |
| Grafton | b | 78 | 56 | 0 |
| Gl'n Inn's | o | 71 | 53 | 0·01 |
| Inverell | b | 70 | 36 | 0 |
| Bourke | b | 85 | 57 | 0 |
| Narrabri | b | 80 | 49 | 0 |
| Armidale | b | 68 | | 0 |
| Bendem'r | b | 69 | 23 | 0 |
| Gunnedah | | — | — | — |
| Cu'mble | | — | — | — |
| Kempsey | | — | — | — |
| Walcha | b | 64 | | 0 |
| Tamw'rth | o | 76 | | |
| Coonab'n | b | 75 | 37 | 0 |
| P. M'cquie | | 73 | 5 | 0 |
| W'lcannia | | | | |
| Murr'ndi | b | | | 0 |
| Taree | | 71 | | ·03 |
| Cassilis | | | | 0 |
| Muss'br'k | | | | 0 |
| Dubbo | b | 74 | | 0 |
| Menindie | | | | 0 |
| Singleton | | | | 0 |
| Nels'n's B | | | | 0 |
| Mudg' | b | 65 | 42 | 0 |
| Maitland | b | 71 | 50 | 0 |
| Hill End | | | | — |
| N'wcastle | b | 75 | 52 | 0 |
| Orange | b | 69 | 38 | 0 |
| Bathurst | b | 72 | | 0 |
| Forbes | o | 74 | | 0 |
| M.Vic'ria | c | 63 | | 0 |
| Carcoar | o | 62 | 42 | 0 |
| Coud'b'li | b | 59 | 48 | 0 |
| Marsdens | b | 80 | 55 | 0 |
| Picton | b | 75 | | 0 |
| Sydney | b | 73 | 65 | 0·01 |
| Wentw'th | b | 85 | | 0 |
| Young | b | 64 | 40 | 0 |
| Woll'g'ng | c | 61 | 56 | 0 |
| Taralga | g | 72 | 55 | 0 |
| Hay | b | c66 | 53 | 0 |
| M'ss V'l | g | 65 | 50 | 0 |
| Euston | b | 95 | 47 | 0 |
| G'lburn | b | 73 | 48 | 0 |
| Wagga | b | 78 | 37 | 0 |
| C. Geo' | b | 75 | 38 | 0·35 |

| Stations. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 70 | 48 | 0 |
| Deniliquin | b | 85 | 45 | 0 |
| Moruya | t | 75 | 54 | 0·74 |
| Kiandra | c | 59 | 30 | 0 |
| Albury | b | 87 | 45 | 0 |
| Bodalla | b | 85 | 48 | 0·54 |
| Cooma | c | 75 | 41 | 0 |
| Eden | b | 71 | 56 | 0 |

*Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 21 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

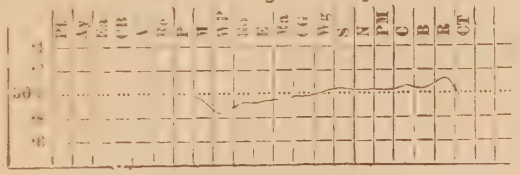
Average Annual Rainfall for 24 years [illegible]·640
Average for 25 years from Jan. 1st to February 28 9·756
Total Rainfall from Jan. 1st to April 21 18·808
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | | | | |
|---|---|---|---|---|
| Casino | [illegible] | 79 | 48 | 0 |
| Tent'rfield | b | 70 | 30 | 0 |
| Clarence . | [illegible] | 71 | 57 | 0·02 |
| Moree | [illegible] | [illegible] | | 0 |
| Grafton | [illegible] | 81 | 49 | 0 |
| Gl'n Inn's | [illegible] | 71 | 41 | 0 |
| Inverell. | [illegible] | [illegible] | 38 | 0 |
| Bourke | [illegible] | [illegible] | [illegible] | 0 |
| Narrabri. | [illegible] | [illegible] | [illegible] | [illegible] |
| Armidale. | [illegible] | [illegible] | [illegible] | [illegible] |
| Bendem'r | [illegible] | [illegible] | [illegible] | 0 |
| Gunned'h | [illegible] | [illegible] | [illegible] | — |
| C'n'mble | [illegible] | [illegible] | [illegible] | 0 |
| Kempsey | [illegible] | — | | — |
| Walcha.. | [illegible] | [illegible] | | 0 |
| Tamw'rth | [illegible] | — | — | — |
| Coonab'n. | [illegible] | [illegible] | | 0 |
| P. M'cqrie | [illegible] | [illegible] | | 0 |
| W'lcannia | [illegible] | [illegible] | | |
| Murr'ndi. | [illegible] | [illegible] | 59 | 0·10 |
| Taree | [illegible] | [illegible] | [illegible] | 0 |
| Cassilis | [illegible] | [illegible] | [illegible] | 0 |
| Muss'br'k | [illegible] | [illegible] | 1 | 1·04 |
| Dubbo . | [illegible] | [illegible] | | 0 |
| Menindie. | [illegible] | [illegible] | | 0 |
| Singleton | [illegible] | [illegible] | 1 | 0·13 |
| Nels'n's B | [illegible] | [illegible] | 52 | 0 |
| Mudg' | b | 82 | 45 | 0 |
| Maitland. | b | 74 | 51 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 53 | 0·04 |
| Orange .. | b | 69 | 40 | 0 |
| Bathurst | b | 74 | 36 | 0·04 |
| Forbes .. | [illegible] | 77 | 48 | 0 |
| M.Vict'ria | b | 62 | 43 | 1·20 |
| Carcoar . | b | 63 | 44 | 0 |
| Cond'b'lin | g | 75 | 68 | 0 |
| Marsdens | b | 79 | 55 | 0 |
| Picton .. | b | [illegible] | 45 | 0·36 |
| Sydney . | b | 71 | 54 | 0·07 |
| Wentw'th | c | 90 | 51 | 0 |
| Young . | b | 96 | 43 | 0 |
| Woll'g'ng | c | 81 | 51 | 0·17 |
| Taralga.. | b | 74 | 35 | 0 |
| Hay .... | c | 82 | 53 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | | — | — | — |
| Euston | b | 89 | 54 | 0 |
| G'lburn | b | 68 | 45 | 0 |
| Wagga. | b | 73 | 38 | 0 |
| C Geo' | c | 67 | 36 | 0·20 |

| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | h | 60 | 55 | | 0 |
| Deniliquin. | r | 73 | 52 | | 0 |
| Moruya .. . | b | 70 | 45 | | 0 |
| Kiandra.. | b | 49 | 22 | | 0 |
| Albury ... | g | 72 | 45 | | 0 |
| Bodalla.. | f | 74 | 40 | | 0 |
| Cooma .... | fn | 72 | 32 | | 0 |
| Eden .... | . | — | — | | — |

*Curve showing state of Barometer.*



Barometers fallen about 0·10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 23 1883.

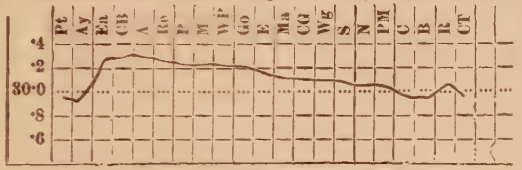
Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long* 10*h.* 4*m.* 50·81*s.* E.

| | | | |
|---|---|---|---|
| **Average** Annual Rainfall for 24 years | .... | 50·640 | |
| **Average** for 25 years from Jan. 1st to | February 28 | 9·756 | |
| **Total** Rainfall from Jan. 1st to | April 23 | 18·812 | |

Barometers corrected to 32° Fah. and Mean Sea Level

28 30·40 R 64 *Curve showing state of Barometer.*




Fine wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy. very heavy.

0 30·04 F 64

FINE GENERALLY

28 30·28 R 52

0 60 A 14 30·17R 60

13 56

13 58 Re

13 59

23 60 P M

0 30 13 R 61

13 60 CO WP 23 60

CG 42 61

Ma 42 64

E 14 62

Ge 42 64

Wg 28 61

S 3 60

N 14 66

PM 14 63

C 14 63

B 71

R 69

TIME BALL

Drops at 1 p.m, S.M.T. or 2h. 55m. 9·19s, a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E.

W E S

Barometers risen about 0·05 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

| STATIONS. | wt | M'x | v | R'in |
|---|---|---|---|---|
| Casino . | c | 82 | 50 | 0·10 |
| Tent'rfield | r | 72 | 54 | 0·31 |
| Clarence . | g | 74 | 56 | 0·70 |
| Moree .. | g | 73 | — | 0·18 |
| Grafton | r | 82 | 52 | 0·15 |
| Gl n Inn's | r | 70 | 37 | 0·36 |
| Inverell. | r | 70 | 37 | 0 |
| Bourke | b | 73 | 52 | 0·14 |
| Narrabri . | r | 80 | 50 | 0 |
| Armidale. | g | 59 | | 0·79 |
| Bendem'r | p | 61 | 31 | 0 |
| Gunned'h | r | 82 | 55 | 0·38 |
| C'n'mble | . | 76 | 46 | 0·05 |
| Kempsey | . | — | — | — |
| Walcha.. | r | 63 | — | 0·06 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | g | 56 | 41 | 0 |
| P. M'cqrie | g | 73 | 57 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 67 | 59 | 0·20 |
| Taree. | c | 74 | 57 | 0 |
| Cassilis | g | 67 | 55 | 0·30 |
| Muss'br'k | f | 75 | 51 | 0·25 |
| Dubbo . | g | 72 | 52 | 0·16 |
| Menindie. | b | 69 | 53 | 0 |
| Singleton | c | 64 | 51 | 0·05 |
| Nels'n's R. | g | 84 | 55 | 0 |
| ♂ 18 60 | | | | |
| Mudg' | b | 89 | 46 | 0·79 |
| Maitland. | b | 71 | 52 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 74 | 55 | 0 |
| Orange .. | b | 69 | 42 | 0 |
| Bathurst | b | 72 | 38 | 0·16 |
| Forbes .. | n | 73 | 46 | 0 |
| M. Vict'ria | g | 62 | 43 | 0 |
| Carcoar . | g | 64 | 44 | 0·04 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 69 | 55 | 0·10 |
| Picton .. | g | 68 | 50 | 0 |
| Sydney .. | e | 68 | 55 | 0 |
| Wentw'th | b | 67 | 48 | 0 |
| Young . | g | 76 | 41 | 0·01 |
| Woll'g'ng | r | 81 | 55 | 0·25 |
| Taralga.. | r | 72 | 35 | 0·40 |
| Hay .... | b | 74 | 53 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'll'r | b | 60 | 51 | 0·49 |
| Euston | b | 72 | 45 | 0 |
| G'lburn | r | 70 | 44 | 0·54 |
| Wagga. | g | 68 | 32 | 0·17 |
| C Geo' | | 70 | 36 | 0·01 |

| Stations. | wt | M.x | m | R'in. |
|---|---|---|---|---|
| Queanbe'an | r | 66 | 48 | 1·90 |
| Deniliquin. | b | 73 | 45 | 0 |
| Moruya .. | g | 68 | 45 | 1·59 |
| Kiandra.. | r | 50 | 27 | 1·07 |
| Albury ... | b | 69 | 42 | 0·18 |
| Bodalla.. | r | 75 | 49 | 3·14 |
| Cooma ... | r | 75 | 33 | 1·75 |
| Eden .... | c | 64 | — | 1·92 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 24 1883.

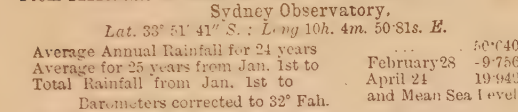
Sydney Observatory.

*Lat.* 33° 51′ 41″ S. : *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ... 50·040
Average for 25 years from Jan. 1st to February 28 ·9·756
Total Rainfall from Jan. 1st to April 24 19·949

Barometers corrected to 32° Fah. and Mean Sea Level

30·44 R 65 *Curve showing state of Barometer.*




Rain wind N. Cloudy, and E. Thunderstorm, wind S. Raining wind W.
If it is CALM, the symbol is used without the arrow
sea smooth. heavy. very heavy.

0 30·09 R 62

FINE GENERALLY

— 30·34 R 57

0 30·20R 59

14 30 20 R 57

Barometers risen about 0·05 inland coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

| STATIONS. | WI | MN | RAIN. |
|---|---|---|---|
| Casino . | o | 70 | 58 1·13 |
| Tent'rfield | g | 72 | 0·35 |
| Clarence . | o | 74 | 0·75 |
| Moree . | g | 68 | |
| Grafton | b | 66 | 55 1·15 |
| Gl'n Inn's | b | 49 | 0·50 |
| Inverell. | b | 70 | 0·00 |
| Bourke | b | 72 | |
| Narrabri . | g | 60 | 35 0·83 |
| Armidale. | b | 52 | 1·00 |
| Bendem'r | p | 58 | 31 0·75 |
| Gunned'h | r | 64 | 51 1·20 |
| C'n'mble | g | 59 | 50 0·25 |
| Kempsey . | | — | — |
| Walcha.. | p | 53 | 0·92 |
| Tamw'rth | g | 82 | 0·57 |
| Coonab'n. | r | 60 | 45 0 14 |
| P. M'cqrie | g | 75 | 59 0 68 |
| W'lcannia | . | — | — |
| Murr'ndi . | r | 61 | 51 1·05 |
| Taree. | o | 73 | 59 1 72 |
| Cassilis | r | 63 | 55 0·85 |
| Muss'br'k | r | 73 | 54 1·74 |
| Dubbo . | d | 73 | 52 0 |
| Menindie. | b | 73 | 25 0 |
| Singleton | r | 73 | 57 0·23 |
| Nels'n's P. | p | 70 | 59 0·46 |
| 18 67 | | | |
| Mudg' | r | 89 | 46 0·03 |
| Maitland. | r | 72 | 52 0 24 |
| Hill End. | . | — | — 0 21 |
| N'wcastle | r | 74 | 57 0 37 |
| Orange .. | r | 68 | 47 0 07 |
| Bathurst | g | 65 | 45 0·07 |
| Forbes .. | g | 71 | 49 0 |
| M. Vict'ria | r | 50 | 42 1 00 |
| Carcoar . | g | 62 | 47 0·14 |
| Cond'b'lin | g | 60 | 49 0 |
| Marsdens | b | 72 | 55 0 |
| Picton .. | r | 62 | 55 1·89 |
| Sydney .. | r | 65 | 60 1 14 |
| Wentw'th | b | 72 | 51 0 |
| Young . | b | 75 | 48 0 |
| Woll'g'ng | r | 68 | 57 2 46 |
| Taralga.. | r | 71 | 55 0·72 |
| Hay .... | b | 78 | 58 0 |
| Miss V'll | r | 57 | 52 1·42 |
| Euston | b | 81 | 49 0 |
| G'lburn | g | 60 | 47 0·64 |
| Wagga. | b | 71 | 39 0 |
| C Geo' | r | 69 | 40 0·55 |

| Stations. | WI | MN | RAIN. |
|---|---|---|---|
| Queanbe'an | g | 61 | 48 0·12 |
| Deniliquin. | b | 79 | 45 . |
| Moruya . . | p | 60 | 56 0·22 |
| Kiandra . | r | 56 | 2·0 0·69 |
| Albury ... | b | 75 | 41 0 |
| Bodalla.. | g | 71 | 51 0·19 |
| Cooma ... | c | 65 | 40 0·1 |
| Eden .... | b | 67 | 55 0·05 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 25 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... 50·640

Average for 25 years from Jan. 1st to February 28 ·9·756

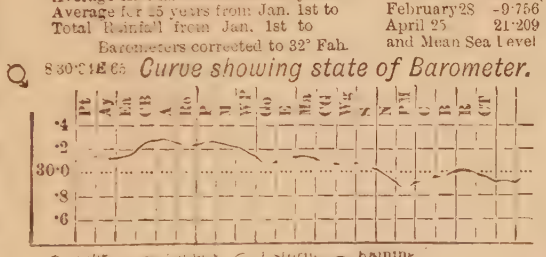
Total Rainfall from Jan. 1st to April 25 21·209

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x'm | R'in |
|---|---|---|---|
| Casino . | o | 76 45 | 0 |
| Tenterfield . | | — — | 0 |
| Clarence . | o | 72 56 | 0 |
| Moree . | o | 67 — | 0 |
| Grafton | b | 76 52 | 0 |
| Glen Innes | b | 52 41 | 0 |
| Inverell. | p | 61 35 | 0 |
| Bourke | b | 79 54 | 0 |
| Narrabri . | b | 70 41 | 0 |
| Armidale. | u | 58 — | 0·02 |
| Bendemeer | p | 62 37 | 0 |
| Gunnedah | b | 68 52 | 0·09 |
| Coonabarabran | b | 61 41 | 0·06 |
| Kempsey . | | — — | — |
| Wauchope . | u | 54 — | 0·12 |
| Tamworth | o | 64 — | 0·13 |
| Coonabarabran | b | 61 47 | 0·21 |
| P. Macquarie | r | 66 54 | 0·46 |
| Wilcannia | b | — — | 0 |
| Murrundi. | r | 60 52 | 0·45 |
| Taree | b | 73 52 | 0·16 |
| Cassilis | b | 69 57 | 0·25 |
| Muswellbrook | u | 67 54 | 1 16 |
| Dubbo . | b | 66 51 | 0 |
| Merimbula . | b | 75 58 | 0 |
| Singleton | g | 62 57 | 1 55 |
| Nelson's Bay | p | 71 56 | 0·10 |
| 13 66 | | | |
| Mudgee | b | 64 48 | 0·09 |
| Maitland. | p | 58 57 | 2·38 |
| Hill End. | b | — — | 0·08 |
| Newcastle | p | 72 56 | 1·98 |
| Orange . | b | 58 41 | 0·10 |
| Bathurst | g | 59 48 | 0·07 |
| Forbes .. | . | — — | — |
| Mt. Victoria | u | 55 45 | 1·30 |
| Carcoar . | g | 59 51 | 0·07 |
| Condobolin | b | 60 50 | 0 |
| Marsdens | b | 73 55 | 0 |
| Picton .. | b | 60 53 | 0·82 |
| Sydney . | u | 67 59 | 1·26 |
| Wentworth | b | 76 44 | 0 |
| Young . | b | 20 45 | 0 |
| Wollongong | o | 66 55 | 1·88 |
| Taralga.. | . | — — | — |
| Hay .... | b | 75 49 | 0 |
| Mess Vat | | 56 50 | 1·54 |
| Euston | | 82 44 | 0 |
| Gilburn | u | 62 44 | 0·04 |
| Wagga. | b | 70 35 | 0 |
| C Geo' | c | 65 41 | 1·90 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbeyan | b | 61 | 47 | 0 |
| Deniliquin. | b | 77 | 45 | 0 |
| Moruya .. | p | 69 | — | 0·27 |
| Kiandra.. | u | 53 | 31 | 0 |
| Albury ... | b | 77 | 41 | 0 |
| Bodalla.. | b | 68 | 52 | 0·51 |
| Cooma .... | o | 62 | 41 | 0·02 |
| Eden .... | | — | — | — |

Curve showing state of Barometer.




wind N ... wind E ... wind S. ... raining wind W

(If it is CALM, the ... mbol ... used without the arrow

14 30·09 S 08

FINE GENERALLY

28 30·30 F 80

0 30·21F 58

0 30·07 F 54

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·08 on E. coast For notes to 3 p.m. see Weather shipping notes.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long* 10*h.* 4*m.* 50 81*s.* *E.*

Average Annual Rainfall for 24 years [illegible]

Average [illegible] years from Jan. 1st to February 28 [illegible]9·756

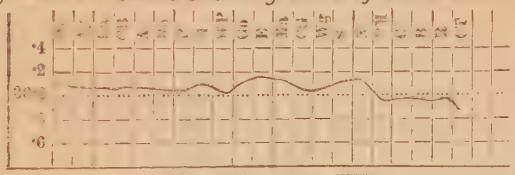
Total Rainfall from Jan. 1st to April 26 21·549

[illegible] corrected to 32° Fah. and Mean Sea Level

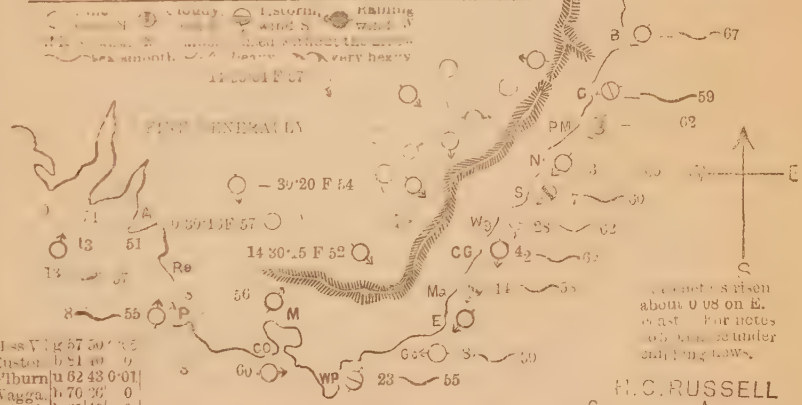
| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | o | 78 | 49 | 0 |
| Tent'rfield | o | 66 | 40 | 0 |
| Clarence . | c | 72 | 56 | 0 |
| Moree | b | 76 | [illegible] | 0 |
| Grafton | b | 73 | 53 | 0 |
| Gl'n Inn's | b | 64 | 39 | 0 |
| Inverell. | b | 65 | 43 | 0 |
| Bourke | b | 74 | 54 | 0 |
| Narrabri | o | 75 | 45 | 0 |
| Armidale. | o | 67 | [illegible] | 0·07 |
| Bendem'r | b | 68 | 40 | 0·11 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| C'n'mble | b | 59 | 54 | 0·06 |
| Kempsey | . | — | — | — |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Murr'ndi. | b | 59 | [illegible] | [illegible] |
| Taree | g | 73 | 60 | 0·58 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | u | [illegible] | [illegible] | [illegible] |
| Bubbo . | b | 70 | 50 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Singleton | b | 62 | 54 | 0·32 |
| Nels'n's B' | b | 8[illegible] | 59 | 0·62 |
| 13 as Mudg' | b | 82 | [illegible] | 0 |
| Maitland. | g | 83 | 50 | 0·[illegible]6 |
| Hill End. | [illegible] | — | | 0 |
| N'wcastle | b | 71 | 56 | 0·59 |
| Orange . | b | 62 | 40 | 0 |
| Bathurst | [illegible] | 64 | 39 | 0 |
| Forbes .. | b | 75 | 40 | 0 |
| M.Vict'ria | u | 55 | 45 | 0 |
| Carcoar . | [illegible] | 61 | [illegible] | 0 |
| Cond'b'lin | [illegible] | 61 | 45 | 0 |
| Marsdens | b | 75 | 53 | 0 |
| Picton . | b | 67 | 47 | 0 |
| Sydney | c | 69 | 57 | 0·34 |
| Wentw'th. | [illegible] | 77 | 45 | 0 |
| [illegible] | b | 83 | 41 | 0 |
| Wolf'g'ng | c | 69 | 55 | 0·05 |
| Taralga.. | g | 70 | 35 | 0 |
| Hay .... | b | 79 | 53 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 44 | 0 |
| Deniliquin. | b | 72 | 47 | 0 |
| Moruya . | u | 66 | 56 | 0·04 |
| Kiandra.. | b | 52 | 25 | 0 |
| Albury .. | b | 76 | 43 | 0 |
| Bodalla . | o | 69 | 49 | 0·06 |
| Cooma . . | c | 61 | 41 | 0 |
| Eden .... | [illegible] | 67 | 59 | 0·10 |

*Curve showing state of Barometer.*




Cloudy. Thunderstorm. Raining. Wind S. Wind N. Sea smooth. Sea heavy. Sea very heavy.




TIDE FALL.

Dropped [illegible] SMT of 2[illegible] 19s. a.m. Greenwich Mn. Time Mag. Var. 9°35 30′ E

[illegible] rises about 0·08 on E. coast. For notes [illegible] under [illegible] news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** APRIL 27 1883.

Sydney Observatory.

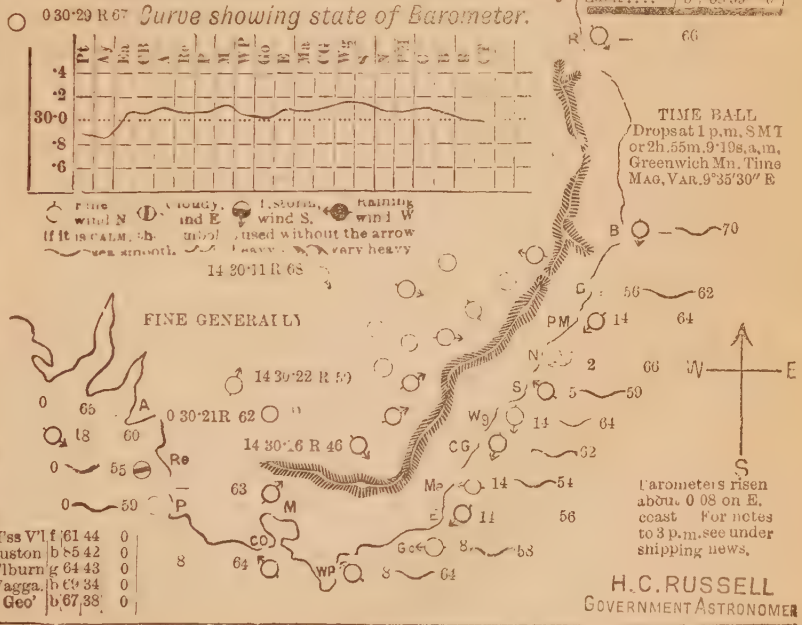
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average** Annual Rainfall for 24 years .... 50·640
**Average** for 25 years from Jan. 1st to February 28 -9·756
**Total** Rainfall from Jan. 1st to April 27 21·899
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | o | 77 | 50 | 0 |
| Tent'rfield | o | 68 | 42 | 0 |
| Clarence . | n | 72 | 56 | 0 |
| Moree .. | b | 85 | - | 0 |
| Grafton | . | | — | — |
| Gl'n Inn's | g | 70 | 42 | 0 |
| Inverell. | b | 68 | 43 | 0 |
| Bourke | b | 82 | 54 | 0 |
| Narrabri . | n | 73 | 53 | 0 |
| Armidale. | n | 61 | | 0 |
| Bendem'r | b | 67 | 25 | 0 |
| Gunned'h | b | 85 | 53 | 0 |
| C'n'mble | b | 74 | 47 | 0 |
| Kempsey | . | — | - | — |
| Walcha.. | b | 61 | - | 0 |
| Tamw'rth | b | 70 | — | 0 |
| Coonab'n. | b | 72 | 36 | 0 |
| P. M'cqrie | b | 72 | 57 | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi. | b | 62 | 53 | 0 |
| Taree. | b | 72 | 59 | 0·10 |
| Cassilis | b | 65 | 54 | 0 |
| Muss'br'k | b | 72 | 56 | 0 |
| Dubbo . | b | 68 | 50 | 0 |
| Menindie. | n | 80 | 55 | 0 |
| Singleton | b | 70 | 57 | 0 |
| Nels'n's B. | c | 82 | 55 | 0·28 |
| 8 68 Mudg' | b | 76 | 46 | 0 |
| Maitland. | b | 64 | 46 | 0 |
| Hill End. | b | -- | -- | 0 |
| N'wcastle | g | 72 | 57 | 0·01 |
| Orange .. | b | 61 | 41 | 0 |
| Bathurst | o | 69 | 38 | 0 |
| Forbes .. | b | 72 | 44 | 0 |
| M. Vict'ria | b | 53 | 37 | 0 |
| Carcoar . | b | 61 | 45 | 0 |
| Cond'b'lin | b | 59 | 40 | 0 |
| Marsdens | b | 73 | 52 | |
| Picton .. | b | 65 | 39 | 0 |
| Sydney .. | b | 65 | 54 | 0·29 |
| Wentw'th | b | 82 | 49 | 0 |
| Young . | b | 87 | 40 | 0 |
| Woll'g'ng | b | 67 | 51 | 0 |
| Taralga.. | b | 68 | 38 | 0 |
| Hay .... | b | 80 | 56 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | f | 61 | 44 | 0 |
| Euston | b | 85 | 42 | 0 |
| G'lburn | g | 64 | 43 | 0 |
| Wagga. | b | 69 | 34 | 0 |
| C Geo' | b | 67 | 38 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 59 | 43 | 0 |
| Deniliquin. | b | 78 | 43 | 0 |
| Moruya . | b | 68 | 49 | 0 |
| Kiandra.. | n | 62 | 21 | 0 |
| Albury ... | b | 74 | 38 | 0 |
| Bodalla.. | f | 21 | 43 | 0 |
| Cooma ... | f | 68 | 39 | |
| Eden.... | b | 68 | 55 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. APRIL 28 1883.

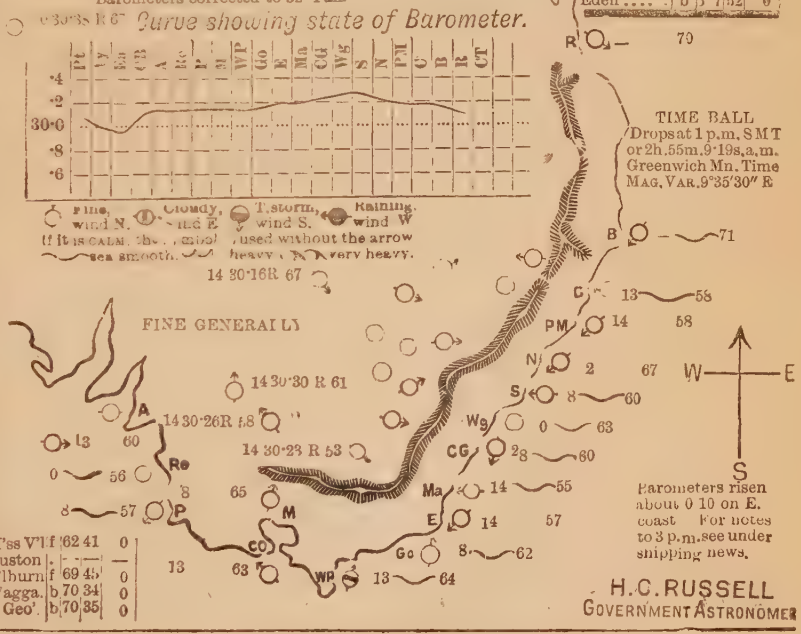
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640
Average for 25 years from Jan. 1st to February 28 -9·756
Total Rainfall from Jan. 1st to April 28 21·844
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 75 | 48 | 0 |
| Tent'rfield | n | 72 | 45 | 0 |
| Clarence . | b | 72 | 59 | 0 |
| Moree .. | b | 83 | — | 0 |
| Grafton .. | b | 83 | 51 | 0 |
| Gl'n Inn's | b | 71 | 50 | 0 |
| Inverell .. | b | 68 | 40 | 0 |
| Bourke | n | 81 | 57 | 0 |
| Narrabri . | b | 75 | 32 | 0 |
| Armidale. | b | 63 | — | 0 |
| Bendem'r | b | 68 | 27 | 0 |
| Gunned'h | b | 87 | 55 | 0 |
| C'n'mble | b | 70 | 50 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | [illegible] | — | |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 74 | 38 | 0 |
| P. M'cqrie | b | 74 | 56 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | f | 65 | 47 | 0 |
| Taree. | g | 74 | 57 | 0 |
| Cassilis | b | 65 | 50 | 0 |
| Muss'br'k | b | 75 | 51 | 0 |
| Dubbo . | b | 69 | 51 | 0 |
| Menindie. | b | 83 | 55 | 0 |
| Singleton | b | 82 | 56 | 0 |
| Nels'n's B. | b | 79 | 55 | 0 |
| 28 78 Mudg' | b | 80 | 46 | 0 |
| Maitland. | b | 70 | 52 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | . | — | — | — |
| Orange .. | b | 62 | 38 | 0 |
| Bathurst | f | 70 | 40 | 0 |
| Forbes .. | b | 72 | 47 | 0 |
| M. Vict'ria | b | 58 | 43 | 0 |
| Carcoar . | b | 62 | 43 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 76 | 53 | 0 |
| Picton .. | b | 68 | 58 | 0 |
| Sydney .. | b | 68 | 55 | 0 |
| Wentw'th | b | 86 | 48 | 0 |
| Young . | b | 83 | 41 | 0 |
| Woll'g'ng | b | 75 | 49 | 0 |
| Taralga.. | b | 70 | 40 | 0 |
| Hay .. | b | 86 | 53 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 60 | 43 | 0 |
| Deniliquin. | b | 76 | 43 | 0 |
| Moruya .. | b | 71 | 50 | 0 |
| Kiandra.. | n | 75 | 21 | 0 |
| Albury ... | b | 73 | 42 | 0 |
| Bodalla.. | b | 77 | 40 | 0 |
| Cooma .... | f | 68 | 38 | 0 |
| Eden .... | b | 3 7 | 52 | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | f | 62 | 41 | 0 |
| Euston | . | — | — | — |
| G'lburn | f | 69 | 45 | 0 |
| Wagga. | b | 70 | 34 | 0 |
| C Geo'. | b | 70 | 35 | 0 |

# WEATHER MAP.

From TELEGRAMS for [illegible] APRIL 30 1883.

S[illegible]ney Observatory.

*Lat.* 33° [illegible] ; *L*[illegible] *4m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ... 50·640

Average for 25 years [illegible] Jan. 1 to February 28 9·756

Total Rainfall from [illegible] 1 to April 30 [illegible]

[illegible] and Mean Sea [illegible]

| STATIONS. | W. | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino . | c | 80 | 51 | 0 |
| Tent'rfield | c | 7[illegible] | [illegible] | [illegible] |
| Clarence . | o | 7[illegible] | 61 | [illegible] |
| Moree .. | b | 87 | [illegible] | 0 |
| Grafton .. | b | 84 | 54 | 0 |
| Glen Inn's | g | 7[illegible] | [illegible] | [illegible] |
| Inve[illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Armidale. | b | 6[illegible] | [illegible] | [illegible] |
| Bendem'r | g | 71 | 40 | 0·17 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| C'n'mble | b | 79 | 54 | 0 |
| [illegible] | | | | |
| [illegible] | | | | |
| Coonab'n. | g | 77 | 44 | 0 |
| P. M'cqrie | b | 75 | 56 | 0 |
| W[illegible] | [illegible] | | | |
| Murr'ndi . | b | 64 | 51 | 0 |
| Taree | b | 74 | 59 | 0 |
| Cassilis | b | 66 | [illegible] | [illegible] |
| Muss'br'k | b | 75 | 58 | 0 |
| Dubbo . | b | 72 | 50 | 0 |
| Menindie. | b | 86 | 57 | 0 |
| Singleton | g | 73 | 58 | 0 |
| Nels'n's B | b | 85 | 58 | 0 |
| [illegible] 13 65 | | | | |
| [illegible] Mudg' | b | [illegible] | 45 | 0 |
| Maitland. | f | 72 | [illegible]5 | 0 |
| H[illegible] | [illegible] | | | – |
| N'wcastle | f | 72 | 57 | 0 |
| Orange .. | b | 62 | 39 | 0 |
| Bathurst | f | 74 | 37 | 0 |
| Forbes .. | b | 73 | 48 | 0 |
| M. Vict'ria | b | 61 | 44 | 0 |
| Carcoar . | b | 62 | 42 | 0 |
| Cond'b'lin | b | 80 | [illegible] | 0 |
| Marsdens | b | 7[illegible] | 52 | 0 |
| Picton .. | b | 67 | 45 | 0 |
| Sydney | b | 70 | 57 | 0·02 |
| Wentw'th | b | 91 | 53 | 0 |
| Young . | b | 95 | 40 | 0 |
| Woll'g'ng | b | 78 | 55 | 0 |
| Taralga.. | b | 72 | 37 | 0 |
| Hay .... | b | 84 | 56 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 64 | 49 | 0 |
| Euston | g | 92 | 47 | 0 |
| G'lburn | b | 72 | 39 | 0 |
| Wagga. | b | 73 | 34 | 0 |
| C Geo' | b | 75 | 35 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 64 | 40 | 0 |
| Deniliquin. | b | 81 | 47 | 0 |
| Moruya . | b | 60 | 50 | 0 |
| Kiandra.. | n | 65 | 22 | 0 |
| Albury ... | b | 76 | 42 | 0 |
| Bodalla.. | f | 71 | 41 | 0 |
| Cooma . .. | f | 70 | 37 | 0 |
| Eden .... | b | 67 | 57 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 1 1883.

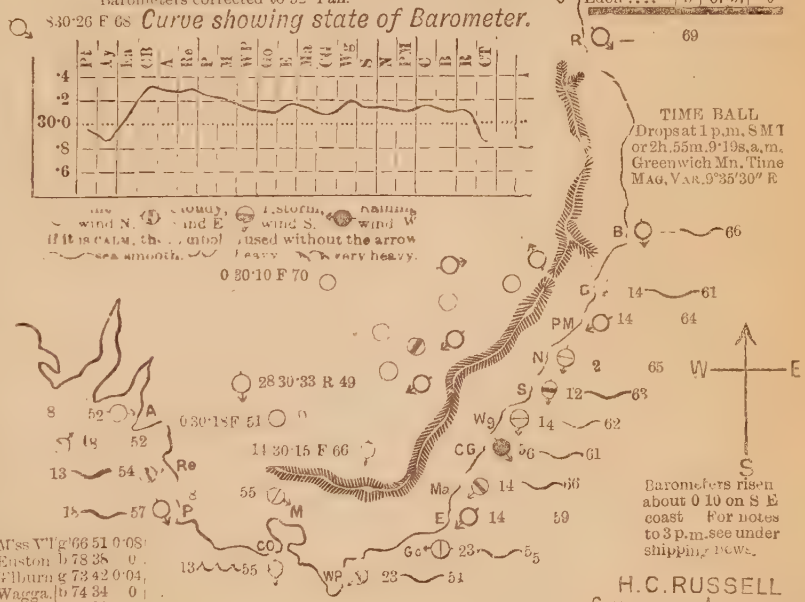
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640
Average for 25 years from Jan. 1st to February 28 ·9·756
Total Rainfall from Jan. 1st to April 21·889
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 78 | 48 | 0 |
| Tent'rfield | o | 73 | 42 | 0 |
| Clarence . | b | 75 | 60 | 0 |
| Moree .. | b | 84 | - | 0 |
| Grafton | n | 80 | 55 | 0 |
| Gl'n Inn's | b | 75 | 50 | 0·06 |
| Inverell. | n | 68 | 39 | 0 |
| Bourke | n | 85 | 56 | 0 |
| Narrabri . | b | 75 | 55 | 0 |
| Armidale. | b | 59 | | 0 |
| Bendem'r | b | 66 | 32 | 0·12 |
| Gunned'h | b | 85 | 54 | 0 |
| C'n'mble | o | 72 | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 64 | - | 0 |
| Tamw'rth | b | 73 | — | 0 |
| Coonab'n. | o | 75 | 38 | 0 05 |
| P. M'cqrie | b | 87 | 57 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 66 | 50 | 0 |
| Taree | b | 76 | 57 | 0 |
| Cassilis | b | 72 | 57 | 0 |
| Muss'br'k | b | 77 | 53 | 0 |
| Dubbo . | b | 72 | 52 | 0 |
| Menindie. | n | 85 | 53 | 0 |
| Singleton | . | -- | | |
| Nels'n's B' | r | 84 | 57 | 0·15 |
| 8 65 | | | | |
| ..Mudg' | b | 83 | 44 | 0 |
| Maitland. | g | 73 | 58 | 0 |
| Hill End. | . | - | - | — |
| N'wcastle | c | 78 | 59 | 0 |
| Orange .. | g | 63 | 43 | 0 |
| Bathurst | b | 72 | 42 | 0 |
| Forbes .. | b | 76 | 50 | 0 |
| M. Vict'ria | g | 63 | 43 | 0 |
| Carcoar . | . | - | - | - |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 83 | 53 | 0 |
| Picton .. | b | 73 | 43 | 0 |
| Sydney .. | g | 72 | 59 | 0·03 |
| Wentw'th | b | 74 | 64 | 0 |
| Young . | b | 96 | 45 | 0 |
| Woll'g'ng | c | 81 | 52 | 0 |
| Taralga.. | g | 71 | 44 | 0 |
| Hay .... | b | 82 | 48 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 64 | 40 | 0 |
| Deniliquin. | b | 81 | 47 | 0 |
| Moruya .... | b | 60 | 50 | 0 |
| Kiandra.. | n | 65 | 22 | 0 |
| Albury ... | b | 76 | 42 | 0 |
| Bodalla.. | f | 71 | 41 | 0 |
| Cooma ... | f | 70 | 37 | 0 |
| Eden .... | b | 67 | 57 | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | g | 66 51 | 0·08 |
| Euston | b | 78 38 | 0 |
| G'lburn | g | 73 42 | 0·04 |
| Wagga. | b | 74 34 | 0 |
| C Geo' | p | 77 39 | 0·07 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 2 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years [illegible]
Average [illegible] April [illegible] 20·22
Total [illegible] from Jan. 1st to [illegible]
Barometers corrected to 32° Fah. [illegible] above Mean Sea Level

| STATIONS. | wt | M'x | M'n | R'in' |
|---|---|---|---|---|
| Casino . | b | [illegible] | [illegible] | 0 |
| Tent'rfield | c | [illegible] | [illegible] | [illegible] |
| Clarence . | [illegible] | 75 | 60 | 0·37 |
| Moree | [illegible] | [illegible] | [illegible] | [illegible] |
| Grafton | [illegible] | [illegible] | [illegible] | [illegible] |
| Glen Innes | [illegible] | [illegible] | [illegible] | [illegible] |
| Inverell | [illegible] | [illegible] | [illegible] | [illegible] |
| Bourke | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 70 | 27 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | — | — | [illegible] |
| [illegible] | [illegible] | 64 | 44 | 0·13 |
| [illegible] | . | — | — | [illegible] |
| [illegible] | o | [illegible] | [illegible] | [illegible] |
| P. Mcq'rie | b | 71 | 55 | 0·18 |
| [illegible] | . | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | b | 73 | 67 | 1·23 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | b | 70 | 60 | 0 |
| [illegible] | b | 72 | 58 | 0 |
| Nelson's B | g | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Madg' | g | [illegible] | [illegible] | 0·11 |
| Maitland. | b | [illegible] | [illegible] | 0 |
| H'r' End. | . | — | — | [illegible] |
| N'wcastle | b | 72 | 60 | 0·78 |
| Orange .. | . | — | — | — |
| Bathurst | f | 75 | 41 | 0 |
| Forbes . | b | 72 | 45 | 0 |
| M.Vict'ria | b | [illegible] | [illegible] | 0·20 |
| Carcoar . | b | 65 | 45 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 77 | 50 | 0 |
| Picton .. | c | 64 | 54 | 0 |
| Sydney . | g | 65 | 58 | 0·01 |
| Wentw'th | b | 67 | 37 | 0 |
| Young . | b | 93 | 35 | 0 |
| Woll'g'ng | c | 68 | 57 | 0 |
| Taralga.. | f | 70 | 42 | 0 |
| Hay .... | b | 67 | 41 | 0 |

| | | | | |
|---|---|---|---|---|
| M's V'l . | — | — | — | — |
| Euston | b | 72 | 27 | 0 |
| G'lburn | b | 61 | 41 | 0 |
| Wagga. | b | 67 | 27 | 0 |
| C Geo' | b | 62 | 36 | 0 |

| Stations. | wt | M'x | M'n | R'in' |
|---|---|---|---|---|
| Queanbe'an | b | 60 | 49 | 0 |
| Deniliquin. | b | 70 | 34 | 0 |
| Moruya . | b | 67 | 54 | 0 |
| Kiandra . | n | 65 | 20 | 0 |
| Albury ... | b | 73 | 36 | 0 |
| Bodalla .. | b | 64 | 43 | 0 |
| [illegible] | c | 57 | 33 | [illegible] |
| [illegible] | b | [illegible] | [illegible] | 0 |

*Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·13s a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0 10 on S E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 2 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years
Average for 15 years from Jan. 1st
Total Rainfall from Jan. 1st
For meters corrected to 32° Fah.

April 30 20·22
May 2 21·89
Mean Sea Level

| STATIONS. | WT | M'X | Y | R'in |
|---|---|---|---|---|
| Casino | b | [illegible] | | 0 |
| Tent'rfield | c | [illegible] | | [illegible] |
| Clarence | [illegible] | [illegible] | | [illegible] |
| Moree | [illegible] | [illegible] | | [illegible] |
| Grafton | [illegible] | [illegible] | | [illegible] |
| Glen Inn's | f | [illegible] | | [illegible] |
| Inverell | [illegible] | [illegible] | | [illegible] |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| Newport | b | 75 | 50 | 0 |
| Armidale | f | 64 | — | 0 |
| [illegible] | [illegible] | 70 | 27 | 0 |
| Gunnedah | [illegible] | [illegible] | | 0 |
| C'n'mble | b | 76 | 52 | 0 |
| Kempsey | [illegible] | [illegible] | | [illegible] |
| Walcha | b | [illegible] | | [illegible] |
| [illegible] | [illegible] | — | — | |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| Wilcannia | [illegible] | — | — | |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| [illegible] | b | [illegible] | | [illegible] |
| Cassilis | b | [illegible] | | [illegible] |
| [illegible] | b | [illegible] | | [illegible] |
| [illegible] | b | [illegible] | | [illegible] |
| Menindie | b | 76 | 60 | 0 |
| Singleton | b | 72 | 58 | 0 |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| [illegible] | [illegible] | [illegible] | | [illegible] |
| Mudg' | g | [illegible] | 50 | 0·11 |
| Maitland | b | 72 | [illegible] | 0 |
| Hill End | [illegible] | [illegible] | | [illegible] |
| Newcastle | b | 72 | [illegible] | 0·78 |
| Orange | [illegible] | [illegible] | | — |
| Bathurst | f | 73 | 41 | 0 |
| Forbes | b | 72 | 45 | 0 |
| M.Vict'ria | b | [illegible] | 41 | 0·20 |
| Carcoar | b | 65 | 45 | 0 |
| Coud'b'lin | [illegible] | — | — | — |
| Marsdens | b | 77 | 50 | 0 |
| Picton | c | 64 | 54 | 0 |
| Sydney | g | 65 | 58 | 0·01 |
| Wentw'th | b | 67 | 37 | 0 |
| Young | b | 93 | 35 | 0 |
| Woll'g'ng | c | 68 | 57 | 0 |
| Taralga | f | 70 | 42 | 0 |
| Hay | b | 67 | 41 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | — | — | — |
| Euston | b | 72 | 27 | 0 |
| G'lburn | b | 61 | 41 | 0 |
| Wagga | b | 67 | 27 | 0 |
| C Geo' | b | 62 | 36 | 0 |

| Stations. | WT | M'X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 60 | 49 | 0 |
| Deniliquin | b | 70 | 31 | 0 |
| Moruya | b | 67 | 54 | 0 |
| Kiandra | n | 65 | 20 | 0 |
| Albury | b | 73 | 36 | 0 |
| Bodella | b | 64 | 43 | 0 |
| Cooma | c | 57 | 33 | [illegible] |
| [illegible] | b | 64 | 5[illegible] | 0 |

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** MAY 3 1883.

Sydney Observatory.

| Stations. | wt | M'x | [illegible] | R'in |
|---|---|---|---|---|
| Casino .. | b | 77 | 52 | 0·19 |
| Tent'rfield | o | 72 | 41 | 0 |
| [illegible] | [illegible] | 71 | [illegible] | 1·30 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Armidale. | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Gunned'h | [illegible] | [illegible] | [illegible] | [illegible] |
| C'rinble | b | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | 75 | [illegible] | 0 |
| [illegible] | [illegible] | — | — | — |
| [illegible] | [illegible] | 68 | 52 | 0 |
| Taree. | b | [illegible] | [illegible] | [illegible] |
| Cassilis | b | [illegible] | [illegible] | [illegible] |
| Muss'br'k | b | 7[illegible] | [illegible] | [illegible] |
| Dubbo . | b | 7[illegible] | [illegible] | [illegible] |
| Menindie. | c | [illegible] | [illegible] | [illegible] |
| Singleton | b | 71 | 53 | 0 |
| Nels'n's B | b | 82 | 52 | 0·01 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Maitland. | b | 69 | [illegible] | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 53 | 0 |
| Orange .. | b | 63 | 40 | 0 |
| Bathurst | o | 72 | 37 | 0 |
| Forbes .. | b | 74 | 43 | 0 |
| [illegible] | b | 62 | 41 | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | . | — | — | — |
| [illegible] | b | 77 | [illegible] | 0 |
| [illegible] | b | 67 | [illegible] | 0 |
| Sydney | b | [illegible] | [illegible] | 0·01 |
| Wentw'th | b | 75 | 45 | 0 |
| Young . | b | [illegible] | [illegible] | 0 |
| Woll'g'ng | b | 75 | 61 | 0 |
| Taralga.. | b | 69 | 38 | 0 |
| Hay .. .. | b | 70 | 45 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 67 | 49 | 0 |
| Euston | b | 77 | 36 | 0 |
| G'bourn. | b | 72 | 41 | 0 |
| Wagga. | b | 66 | 28 | 0 |
| C Geo' | b | 72 | 36 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 40 | 0 |
| Deniliquin. | b | 70 | 35 | 0 |
| Moruya . | b | 67 | 49 | 0 |
| Kiandra | [illegible] | – | 20 | 0 |
| Albury .. | b | 73 | 35 | 0 |
| Bodalla . | b | 73 | [illegible] | [illegible] |
| Cooma . . | f | 62 | [illegible] | 0 |
| Eden .... | b | [illegible] | [illegible] | [illegible] |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & [illegible] MAY 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long.* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 [illegible] .... 50·640

Average for 25 years from Jan. [illegible] April 30 20·329

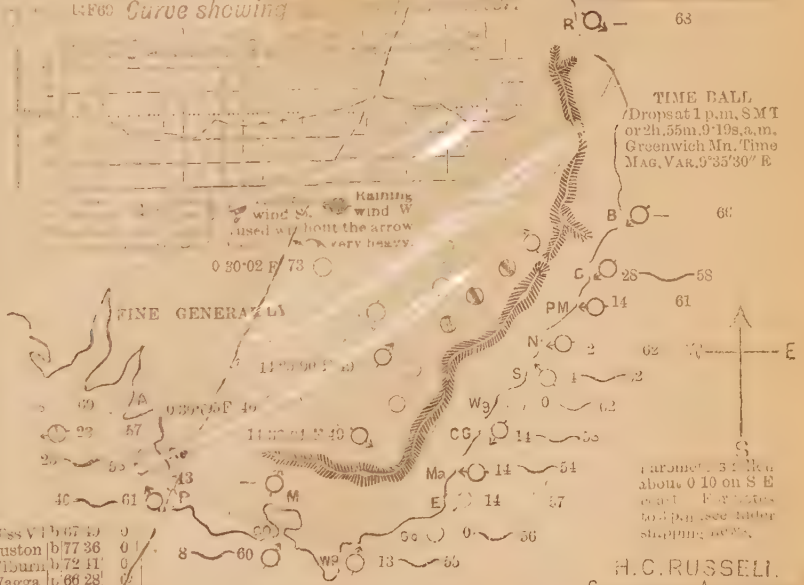
Total Rainfall from Jan. 1st [illegible] May 3 21·895

Barometers corrected to [illegible] and Mean Sea Level

14F69 *Curve showing* [illegible]

| Stations. | wt | M'x | [illegible] | R'in |
|---|---|---|---|---|
| Casino . | b | 77 | 52 | 0·18 |
| Tent'rfield | b | 72 | 41 | 0 |
| Clarence . | b | 71 | 59 | 1·30 |
| Moree | b | 87 | - | 0 |
| Grafton | b | 79 | 53 | 0 |
| Gl'n Lin's | b | [illegible] | 43 | 0 |
| Inverell. | b | [illegible] | [illegible] | 0 |
| [illegible] | | | | |
| Cassilis | [illegible] | | | |
| [illegible] | | | | |
| Dubbo . | b | [illegible] | | |
| Menindie. | c | [illegible] | | |
| Singleton | [illegible] | [illegible] | | |
| Nels'n's B | [illegible] | [illegible] | | |
| 8 60 Mudg' | b | [illegible] | 41 | 0 |
| Maitland. | b | [illegible] | 51 | 0 |
| Hill End. | . | -- | | |
| N'wcastle | b | 75 | [illegible] | 0 |
| Orange .. | b | 63 | [illegible] | 0 |
| Bathurst | b | 72 | 37 | 0 |
| Forbes .. | b | 74 | 43 | 0 |
| M.Vict'ria | b | 62 | 44 | 0 |
| Carcoar . | b | 65 | 43 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 77 | 48 | 0 |
| Picton .. | b | 67 | [illegible] | 0 |
| Sydney .. | b | [illegible] | [illegible] | 0·01 |
| Wentw'th | b | 75 | 45 | 0 |
| Young . | b | 91 | 57 | 0 |
| Woll'g'ng | b | 75 | 51 | 0 |
| Taralga.. | b | 69 | 38 | 0 |
| Hay ..... | b | 70 | 45 | 0 |

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 40 | 0 |
| Deniliquin. | b | 70 | 35 | 0 |
| Moruya . . | b | 67 | 49 | 0 |
| Kiandra.. | n | – | 20 | 0 |
| Albury ... | b | 70 | 35 | 0 |
| Bodalla . | b | 73 | 41 | 0 |
| Cooma ... | f | 68 | 30 | 0 |
| Eden .... | b | 64 | 51 | 0 |




| | | | | |
|---|---|---|---|---|
| Miss V'l | b | 67 | 49 | 0 |
| Euston | b | 77 | 36 | 0 |
| G'lburn | b | 72 | 41 | 0 |
| Wagga. | b | 66 | 28 | 0 |
| C Geo' | b | 72 | 36 | 0 |

Barometers [illegible] about 0 10 on S E coast. For notes to [illegible] see under shipping news.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 4 1883.

Sydney Observatory.

*L... 33 51' 41" S : Long. ... 50·81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... .... | 50·640 |
| Average for [illegible] | April 30 | 20·329 |
| Total Rainfall [illegible] | May 4 | 21·897 |
| Barom[illegible] | and Mean Sea Level | |

| STATIONS. | W. | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino .. | b | 79 | 49 | 0·07 |
| Tent'rfield | o | 68 | 40 | 0 |
| Clarence . | o | 73 | 59 | 0 |
| Moree .. | b | 86 | - | 0 |
| Grafton . | b | 56 | 52 | 0 |
| Gl n Inn's | b | 70 | 38 | 0 |
| Inverell.. | b | 68 | 35 | 0 |
| Bourke | o | 85 | 58 | 0 |
| Narrabri . | b | 78 | 49 | 0 |
| Armidale. | o | 63 | - | [illegible] |
| Bendem'r | o | [illegible] | [illegible] | [illegible] |
| Gunned'h | b | [illegible] | [illegible] | [illegible] |
| C'n'mbie | b | 7[illegible] | [illegible] | [illegible] |
| Kempsey | . | [illegible] | [illegible] | [illegible] |
| Walcha.. | b | [illegible] | [illegible] | [illegible] |
| Tamw'rth | b | [illegible] | [illegible] | [illegible] |
| Coonab'n. | b | [illegible] | [illegible] | [illegible] |
| P. M'cqrie | b | [illegible] | [illegible] | [illegible] |
| W'lcannia | . | | | |
| Murrindi | [illegible] | [illegible] | [illegible] | [illegible] |
| Taree | [illegible] | [illegible] | [illegible] | 0 |
| Cassilis | b | [illegible] | [illegible] | 0 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| Dubbo . | b | [illegible] | [illegible] | 0 |
| Menindie. | b | [illegible] | [illegible] | 0 |
| Singleton | b | [illegible] | [illegible] | 0 |
| Nels'n's B. | b | [illegible] | [illegible] | [illegible] |
| Mudg' (13 55) | f | 81 | 44 | 0 |
| Maitland. | o | 71 | 50 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 79 | 54 | 0 |
| Orange .. | b | 64 | 38 | 0 |
| Bathurst | b | 73 | 36 | 0 |
| Forbes .. | o | 74 | 47 | 0 |
| M. Vict'ria | b | 61 | 55 | 0 |
| Carcoar . | b | 64 | 47 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 79 | 49 | 0 |
| Picton .. | b | 70 | 42 | 0 |
| Sydney .. | b | 69 | 56 | 0 |
| Wentw'th | b | 15 | 55 | 0 |
| Young . | b | 84 | 38 | 0 |
| Woll'g'ng | b | 77 | 50 | 0 |
| Taralga.. | b | 71 | 42 | 0 |
| Hay .. | b | 79 | 50 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'. | . | — | — | — |
| Euston | b | 85 | 51 | 0 |
| C'lburn | b | 73 | 33 | 0 |
| Wagga. | b | 68 | 30 | 0 |
| C Geo' | b | 70 | 26 | 0 |

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 39 | 0 |
| Deniliquin. | b | 73 | 44 | 0 |
| Moruya | b | 70 | 50 | 0 |
| Kiandra .. | n | 55 | 17 | 0 |
| Albury ... | b | 73 | 32 | 0 |
| Bodalla . | b | 72 | 42 | 0 |
| Cooma . . | f | 70 | 26 | 0 |
| Eden .... | b | 65 | 57 | 0 |

Barometers risen about 0 10 on S E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 5 1883.

Sydney Observatory.

*Lat 33° 51′ 41″ S.; Long 10h. 4m. 50 81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·040 |
| Average for 24 years from Jan. 1st to | April 30 | 20·329 |
| Total Rainfall from Jan. 1st to | May 5 | 21·912 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| STATIONS. | wt | m'x | m'n | R'in |
|---|---|---|---|---|
| Casino . | b | 80 | 48 | 0 |
| Tent'rfield | c | 62 | 40 | 0 |
| Clarence . | o | 75 | 59 | 0 |
| Moree .. | b | 87 | — | 0 |
| Grafton . | b | 80 | 51 | 0 |
| Glen Inn's | b | 70 | 45 | 0 |
| Inverell . | b | 68 | 36 | 0 |
| Bourke | g | 83 | 64 | 0 |
| Narrabri . | g | 80 | 60 | 0 |
| Armidale. | o | 62 | — | 0 |
| Bendem'r | b | 68 | 22 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 63 | 25 | 0 |
| Tamw'rth | . | — | — | 0 |
| Coonab'n. | f | 76 | 38 | 0 |
| P. M'cqrie | b | 75 | 52 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | o | 65 | 44 | 0 |
| Taree . | b | 75 | 52 | 0 |
| Cassilis | b | 69 | 45 | 0 |
| Muss'br'k | b | 77 | 44 | 0 |
| Dubbo . | b | 72 | 51 | 0 |
| Menindie. | r | 80 | 62 | 0 |
| Singleton | b | 73 | 50 | 0 |
| Nels'n's B' | b | 78 | 55 | 0 |
| Mudg' | o | 86 | 44 | 0 |
| Maitland. | o | 71 | 48 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 78 | 54 | 0 |
| Orange .. | b | 69 | 38 | 0 |
| Bathurst | b | 75 | 35 | 0 |
| Forbes .. | o | 74 | 46 | 0 |
| M. Vict'ria | b | 63 | 45 | 0 |
| Carcoar . | b | 60 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 80 | 51 | 0 |
| Picton .. | b | 72 | 42 | 0 |
| Sydney .. | b | 72 | 64 | 0·02 |
| Wentw'th | g | 86 | 61 | 0 |
| Young . | f | 94 | 42 | 0 |
| Woll'g'ng | b | 76 | 50 | 0 |
| Taralga.. | n | 70 | 38 | 0 |
| Hay .. | e | 83 | 58 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | . | — | — | — |
| Euston | c | 87 | 58 | 0 |
| G'lburn | b | 75 | 35 | 0 |
| Wagga. | c | 73 | 28 | 0 |
| C Geo' | b | 71 | 36 | 0 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 42 | 0 |
| Deniliquin. | b | 79 | 50 | 0 |
| Moruya . . | b | 71 | 50 | 0 |
| Kiandra . | c | 6? | 21 | 0 |
| Albury .. | b | 75 | 41 | 0 |
| Bodalla . | ? | 77 | 44 | 0 |
| Cooma . . | f | 65 | 29 | 0 |
| Eden .... | b | 65 | 57 | 0 |

*Curve showing state of Barometer.*

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 7 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

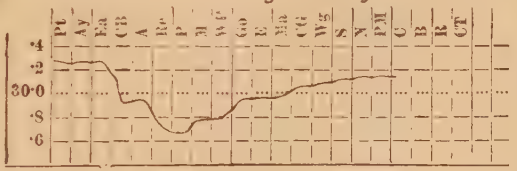
Average Annual Rainfall for 24 years .... .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 7 21·930
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 81 | 56 | 0 |
| Tent'rfield | g | 70 | 50 | 0 |
| Clarence . | c | 68 | 59 | 0 |
| Moree . | r | 79 | - | 1·43 |
| Grafton | b | 77 | 59 | 0 |
| Gl'n Inn's | g | 71 | 49 | 0 |
| Inverell. | c | 70 | 43 | 0·43 |
| Bourke | b | 70 | 53 | 0·06 |
| Narrabri . | r | 75 | 60 | 1·22 |
| Armidale. | d | 64 | | 0 |
| Bendem'r | r | 68 | 41 | 0.34 |
| Gunned'h | r | 75 | 61 | 1·2. |
| C'n'mble | b | 70 | 66 | 0·78 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 64 | 53 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | f | 65 | 49 | 1·98 |
| P. M'cqrie | g | 75 | 64 | 0 |
| W'lcannia | b | — | — | 0·67 |
| Murr'ndi . | r | 66 | 49 | 1·50 |
| Taree.. | r | 74 | 56 | 0·03 |
| Cassilis | g | 61 | 55 | 0·69 |
| Muss'br'k | g | 78 | 54 | 1·29 |
| Dubbo . | f | 71 | 50 | 0·67 |
| Menindie. | . | — | — | — |
| Singleton | g | 62 | 48 | 0·63 |
| Nels'n's B. | c | 71 | 61 | 0·23 |
| 13 60 Mudg' | g | 75 | 47 | 0·75 |
| Maitland. | g | 74 | 51 | 0·50 |
| Hill End. | f | — | — | — |
| N'wcastle | r | 77 | 59 | 0·35 |
| Orange .. | b | 69 | 37 | 1·27 |
| Bathurst | b | 72 | 43 | 0·75 |
| Forbes .. | g | 69 | 45 | 0·42 |
| M. Vict'ria | b | 65 | 44 | 0·25 |
| Carcoar . | b | 65 | 45 | 0·70 |
| Cond'b'lin | b | — | — | 0·45 |
| Marsdens | f | 74 | 51 | 0 |
| Picton .. | b | 69 | 50 | 0·24 |
| Sydney . | g | 70 | 61 | 0·02 |
| Wentw'th | b | 65 | 50 | 0·97 |
| Young . | g | 60 | 44 | 0·80 |
| Woll'g'ng | b | 74 | 53 | 0·46 |
| Taralga.. | g | 71 | 39 | 0 |
| Hay .... | b | 84 | 47 | 0·73 |

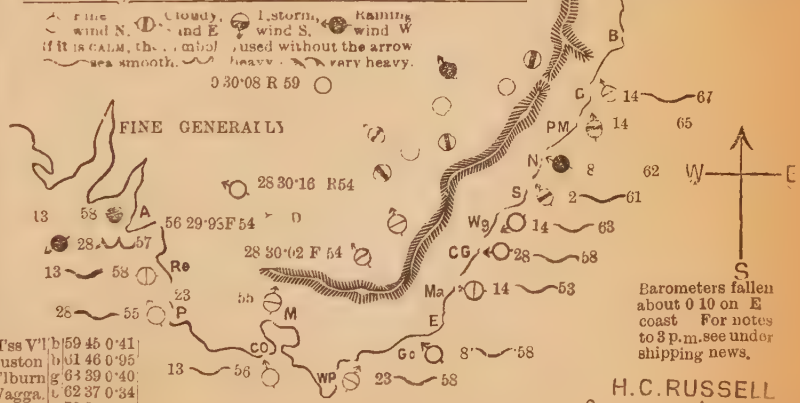
| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 59 | 45 | 0·41 |
| Euston | b | 61 | 46 | 0·95 |
| G'lburn | g | 63 | 39 | 0·40 |
| Wagga. | b | 62 | 37 | 0·34 |
| C Geo' | b | 70 | 34 | 0·11 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 63 | 47 | 1·06 |
| Deniliquin. | b | 76 | 44 | 0 |
| Moruya .... | g | 72 | 50 | 0·18 |
| Kiandra.. | g | 53 | 33 | 1·09 |
| Albury ... | g | 77 | 41 | 0·31 |
| Bodalla.. | b | 72 | 36 | 0·30 |
| Cooma .... | g | 63 | 39 | 0·85 |
| Eden ..... | . | — | — | — |

030·37 R 59 *Curve showing state of Barometer.*




Fine wind N. Cloudy, and E. Thunderstorm, wind S. Raining wind W.
If it is CALM, the symbol used without the arrow
sea smooth. heavy. very heavy.




Barometers fallen about 0 10 on E coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 8 1883.

Sydney Observatory.

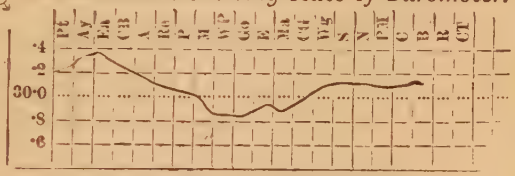
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .. .. .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 8 21·931
Barometers corrected to 32° Fah. and Mean Sea Level

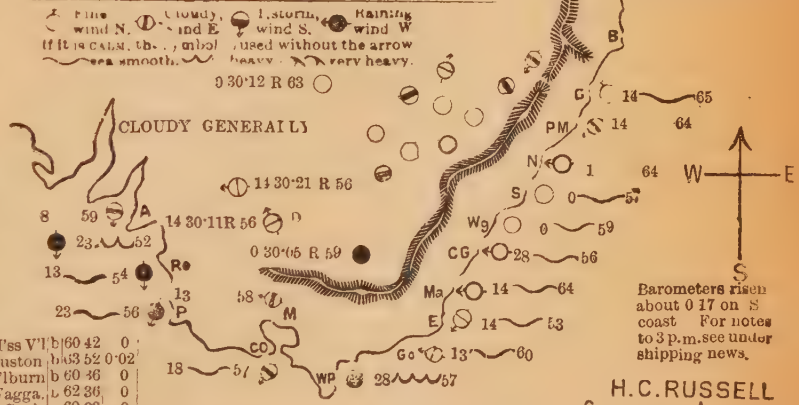
| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | . | — | — | — |
| Deniliquin. | u | 65 | 49 | 0 |
| Moruya .... | b | 68 | 46 | 0 |
| Klandra.. | r | 54 | 32 | 0·27 |
| Albury ... | r | 61 | 50 | 0·08 |
| Bodalla.. | b | 71 | 33 | 0 |
| Cooma .... | . | — | — | — |
| Eden ..... | o | 69 | 53 | 0 |

| STATIONS. | wt | M'X | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 81 | 55 | 0 |
| Tent'rfield | u | 59 | 55 | 0·05 |
| Clarence . | b | 68 | 59 | 0 |
| Moree .. | c | 66 | . | 0·69 |
| Grafton | b | 78 | 61 | 0·26 |
| Gl'n Inn's | r | 57 | 54 | 0·50 |
| Inverell. | r | 71 | 40 | 1·00 |
| Bourke | b | 80 | 50 | 0 |
| Narrabri. | g | 70 | 56 | 1·52 |
| Armidale. | u | 58 | | 0·18 |
| Bendem'r | . | — | — | — |
| Gunned'h | b | 71 | 59 | 0·21 |
| C'n'mble | b | 64 | 49 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | p | 56 | 51 | 0·66 |
| Tamw'rth | o | 67 | — | 0 |
| Coonab'n. | b | 69 | 36 | 0 |
| P. M'cqrie | b | 75 | 62 | 0·28 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 61 | 1 | 1·02 |
| Taree.. | g | 69 | 62 | 0 |
| Cassilis | b | 63 | 55 | 0 |
| Muss'br'k | b | 78 | 53 | 0 |
| Dubbo . | f | 65 | 49 | 0 |
| Menindie. | b | 70 | 53 | 0 |
| Singleton | b | 64 | 53 | 0 |
| Nels'n's B. | c | 78 | 58 | 0 |
| 13 62 | | | | |
| Mudg' | f | 75 | 39 | 0 |
| Maitland. | b | 69 | 56 | 0·06 |
| Hill End. | b | — | — | |
| N'wcastle | b | 70 | 57 | 0·01 |
| Orange .. | b | 56 | 37 | 0 |
| Bathurst | b | 62 | 35 | 0 |
| Forbes .. | b | 69 | 43 | 0·42 |
| M. Vict'ria | b | 63 | 42 | 0 |
| Carcoar . | b | 57 | 41 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 64 | 46 | 0 |
| Picton .. | n | 67 | 34 | 0 |
| Sydney .. | b | 69 | 53 | 0 |
| Wentw'th | b | 68 | 54 | 0·09 |
| Young . | g | 71 | 26 | 0 |
| Woll'g'ng | b | 74 | 48 | 0 |
| Taralga.. | b | 70 | 38 | 0 |
| Hay .... | b | 63 | 54 | 0 |
| M'ss V'l | b | 60 | 42 | 0 |
| Euston | b | 63 | 52 | 0·02 |
| G'lburn | b | 60 | 36 | 0 |
| Wagga. | b | 62 | 36 | 0 |
| C Geo' | b | 69 | 33 | 0 |

8 30·44 R 60 *Curve showing state of Barometer.*




Fine wind N. Cloudy wind E. Thunderstorm wind S. Raining wind W
If it is calm, the symbol used without the arrow
sea smooth. heavy. very heavy.




Barometers risen about 0·17 on S coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 9 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 9 21·941
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 81 55 | | 0 |
| Tent'rfield | b | 60 45 | 0·20 | |
| Clarence . | c | 69 59 | 0·05 | |
| Moree . | b | 78 | | 0 |
| Grafton | b | 83 52 | | 0 |
| Gl n Inn's | n | 57 55 | 0·06 | |
| Inverell. | b | 71 34 | | 0 |
| Bourke | b | 79 52 | | 0 |
| Narrabri. | o | 75 44 | | 0 |
| Armidale. | b | 58 — | 0·05 | |
| Bendem'r | f | 65 24 | | 0 |
| Gunned'h | b | 74 48 | | 0 |
| C'n'mble | b | 67 44 | | 0 |
| Kempsey . | . | — — | | — |
| Walcha.. | b | 57 35 | | 0 |
| Tamw'rth | . | — — | | — |
| Coonab'n. | n | 70 43 | | 0 |
| P. M'cqrie | b | 71 53 | 0·08 | |
| W'lcannia | . | — — | | — |
| Murr'ndi. | b | 62 44 | | 0 |
| Taree.. | b | 72 54 | | 0 |
| Cassilis | b | 63 52 | | 0 |
| Muss'br'k | o | 70 44 | | 0 |
| Dubbo . | b | 64 46 | | 0 |
| Menindie. | n | 71 51 | | 0 |
| Singleton | b | 65 50 | | 0 |
| Nels'n's B. | b | 79 49 | | 0 |
| 23 63 | | | | |
| Mudg' | b | 71 37 | | 0 |
| Maitland. | b | 67 46 | | 0 |
| Hill End. | . | — — | | — |
| N'wcastle | b | 75 50 | | 0 |
| Orange .. | b | 56 39 | | 0 |
| Bathurst | f | 61 36 | | 0 |
| Forbes .. | b | 70 45 | | 0 |
| M.Vict'ria | u | 62 42 | | 0 |
| Carcoar . | b | 57 40 | 0·02 | |
| Cond'b'lin | . | — — | | — |
| Marsdens | f | 66 47 | 0·05 | |
| Picton .. | n | 66 41 | | 0 |
| Sydney .. | g | 67 52 | 0·01 | |
| Wentw'th | b | 67 50 | 0·01 | |
| Young . | o | 72 27 | 0 | |
| Woll'g'ng | b | 73 65 | 0 | |
| Taralga.. | n | 68 37 | 0 | |
| Hay .... | b | 66 48 | 0 | |
| M'ss V'l | o | 60 42 | 0 | |
| Euston | b | 68 47 | 0 | |
| G'lburn | f | 63 40 | 0 | |
| Wagga. | f | 62 34 | 0·11 | |
| C Geo' | o | 62 33 | 0 | |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 57 40 | | 0 |
| Deniliquin. | b | 65 46 | | 0 |
| Moruya .. .. | g | 73 48 | 0·02 | |
| Kiandra.. | o | 51 28 | 0·47 | |
| Albury ... | f | 62 43 | 0·04 | |
| Bodalla.. | g | 77 38 | | 0 |
| Cooma .... | o | 63 39 | 0·02 | |
| Eden .... | | — — | — | |

## Curve showing state of Barometer.

28 30·43R 57

wind N. wind E. wind S. wind W
If it is calm, the symbol is used without the arrow
sea smooth. very heavy.

1430·15 R 52

FINE GENERALLY

1230·45 R 52

28 30·36R 54

0 30·27 R 47

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers risen about 0·37 on S.E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

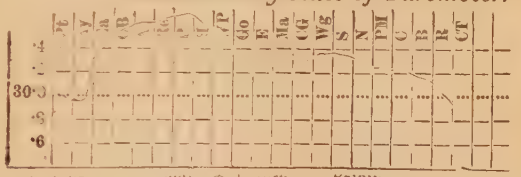
From TELEGRAMS for 9 A.M. & 3 P.M. MAY 10 1883.

Sydney Observatory.

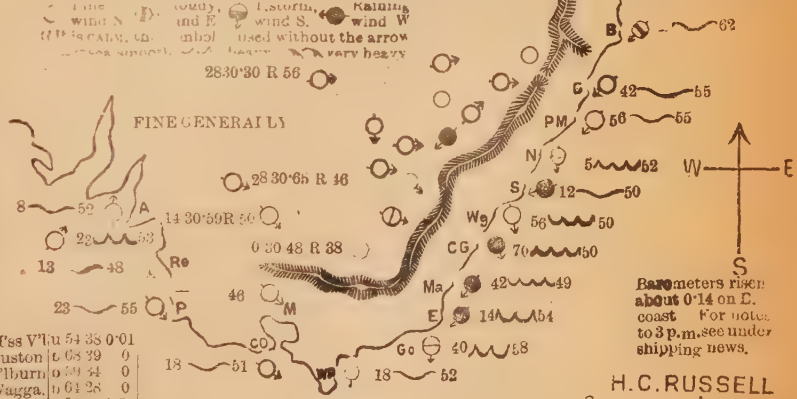
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 10 22·260
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




Fine wind N. Cloudy, and E. Lightning, wind S. Raining wind W.
(It is CALM, the symbol used without the arrow
very heavy




Barometers risen about 0·14 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | W. | M. | X. | R'in. |
|---|---|---|---|---|
| Casino . | b | 75 | 62 | 0 |
| Tent'rfield | b | 69 | 41 | 0 |
| Clarence . | b | 72 | 55 | 0 |
| Moree | b | 76 | — | 0 |
| Grafton | b | 78 | 51 | 0 |
| Gl'n Inn's | b | 67 | 36 | 0 |
| Inverell. | b | 65 | 30 | 0 |
| Bourke | b | 71 | 51 | 0 |
| Narrabri . | b | 68 | 49 | 0 |
| Armidale. | [illegible] | — | — | 0 |
| Bendem'r | g | 62 | 26 | 0 |
| Gunned'h | b | 78 | 47 | 0 |
| C'n'mble | [illegible] | 69 | 45 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | o | 57 | [illegible] | 0·01 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 68 | 38 | 0 |
| P. M'cqrie | q | 71 | [illegible] | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | u | 60 | 4[illegible] | 0 |
| [illegible] | b | 68 | 49 | 0·04 |
| Cassilis | b | 63 | 52 | 0 |
| Muss'br'k | o | 67 | 40 | 0 |
| Dubbo . | b | 64 | 45 | 0 |
| Menindie. | o | 65 | 48 | 0 |
| Singleton | b | 72 | 33 | 0 |
| Nels'n's B. | b | 76 | 51 | 0·40 |
| ♂ 23 60 Mudg' | b | [illegible] | [illegible] | 0 |
| Maitland. | p | [illegible] | [illegible] | 0·12 |
| Hill End. | n | — | — | 0 |
| N'wcastle | o | 69 | 39 | 0·75 |
| Orange .. | b | 52 | 36 | 0 |
| Bathurst | b | 69 | 38 | 0 |
| Forbes . | b | 73 | 49 | 0 |
| M. Vict'ria | o | 49 | 36 | 0 |
| Carcoar . | b | 57 | 46 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | o | 66 | 45 | 0 |
| Picton .. | u | 61 | 47 | 0·02 |
| Sydney .. | p | 54 | 49 | 0·31 |
| Wentw'th | b | 66 | 42 | 0 |
| Young . | n | 77 | 36 | 0 |
| Woll'g'ng | q | 68 | 44 | 0·17 |
| Taralga.. | g | 65 | 35 | 0 |
| Hay .... | b | 69 | 41 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | u | 54 38 | 0·01 |
| Euston | b | 68 39 | 0 |
| G'lburn | o | [illegible] 34 | 0 |
| Wagga. | b | 64 28 | 0 |
| C Geo' | | 54 — | 0·75 |

| Stations. | WT | M. | X. | MT | R'in |
|---|---|---|---|---|---|
| Queanbe'an | n | 54 | 48 | | 0 |
| Deniliquin. | b | 67 | 38 | | 0 |
| Moruya .... | p | 68 | 46 | 0·25 | |
| Kiandra.. | b | 50 | 25 | | 0 |
| Albury ... | b | 68 | 27 | | 0 |
| Bodalla.. | g | 64 | 42 | 0·09 | |
| Cooma .... | b | 64 | 35 | 0·04 | |
| Eden .... | p | 59 | 46 | 0·32 | |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

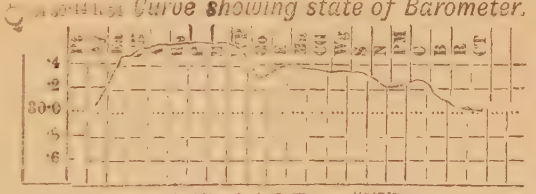
Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 11 23·674
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 39 | 0 |
| Deniliquin. | b | 63 | 35 | 0 |
| Moruya .. | g | 62 | 49 | 0 |
| Kiandra.. | c | 44 | 22 | 0 |
| Albury ... | b | 62 | 49 | 0 |
| Bodalla.. | g | 62 | 45 | 0 |
| Cooma .... | g | 54 | 35 | 0·05 |
| Eden ..... | g | 60 | 55 | 0·24 |

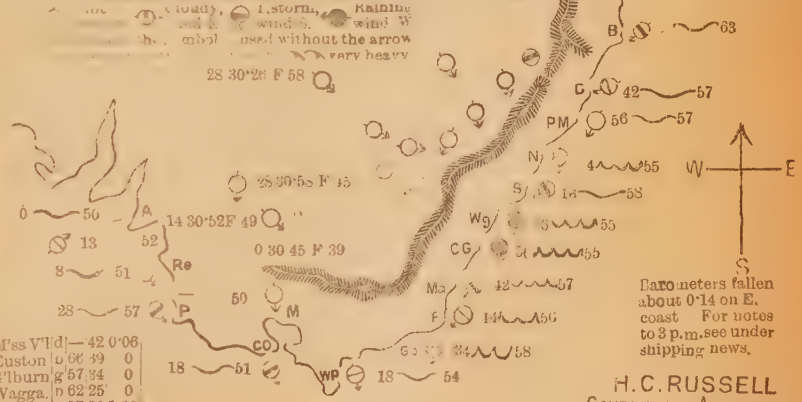
| STATIONS. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | g | 66 | 45 | 0 |
| Tent'rfield | b | 57 | 42 | 0 |
| Clarence . | g | 80 | 54 | 0 |
| Moree .. | b | 72 | [illegible] | 0 |
| Grafton . | b | [illegible] | [illegible] | 0 |
| Glen Inn's | b | 56 | 39 | 0 |
| Inverell. | g | 63 | 31 | 0 |
| [illegible]arke | b | 65 | 45 | 0 |
| [illegible]arrabri . | b | [illegible] | [illegible] | 0 |
| [illegible]midale. | c | 51 | [illegible] | 0 |
| [illegible]dem'r | c | 54 | 28 | 0 |
| [illegible]ned'h | c | 69 | 49 | 0 |
| [illegible]mile | b | 63 | 44 | 0 |
| [illegible]mpsey | . | — | — | — |
| Walcha.. | b | — | 42 | 0·01 |
| [illegible]w'rth | b | 58 | — | 0·05 |
| [illegible]ab'n. | b | 60 | 39 | 0 |
| [illegible] M'eqrie | b | [illegible] | [illegible] | [illegible] |
| [illegible]cannia | . | — | — | — |
| Murr'ndi. | u | 52 | 45 | 0 |
| Taree.. | g | 62 | 50 | 0·12 |
| [illegible]ssilis | b | [illegible] | [illegible] | 0 |
| Muss'br'k | g | 64 | 46 | [illegible] |
| Dubbo . | b | 62 | 42 | 0 |
| Menindie. | b | [illegible] | [illegible] | 0 |
| Singleton | g | [illegible] | [illegible] | 0 |
| Nels'n's B. | p | 68 | [illegible] | 0 |
| ♂ 13 60 Mudg' | b | [illegible] | [illegible] | 0 |
| Maitland. | g | [illegible] | [illegible] | [illegible] |
| Hill End. | b | — | — | 0 |
| N'wcastle | q | [illegible] | [illegible] | [illegible] |
| Orange .. | b | [illegible] | [illegible] | 0 |
| Bathurst | b | [illegible] | [illegible] | 0 |
| Forbes .. | b | [illegible] | [illegible] | [illegible] |
| M. Vict'ria | o | [illegible] | [illegible] | [illegible] |
| Carcoar . | b | [illegible] | [illegible] | 0 |
| Cond'b'lin | . | — | — | |
| Marsdens | b | [illegible] | [illegible] | 0 |
| Picton .. | c | [illegible] | [illegible] | 0 |
| Sydney . | g | [illegible] | [illegible] | [illegible]·41 |
| Wentw'th | b | 63 | 40 | 0 |
| Young . | a | [illegible] | [illegible] | 0 |
| Woll'g'ng | p | [illegible] | [illegible] | 0·32 |
| Taralga.. | g | 76 | 35 | 0 |
| [illegible] .... | b | 62 | 43 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | d | — | 42 | 0·06 |
| Euston | b | 66 | 39 | 0 |
| G'lburn | g | 57 | 34 | 0 |
| Wagga. | b | 62 | 25 | 0 |
| C Geo' | r | 57 | 30 | 1·19 |

*Curve showing state of Barometer.*




[illegible] cloudy, [illegible] storm, Raining [illegible] wind [illegible] wind W [illegible] the [illegible] mbol used without the arrow [illegible] very heavy




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·14 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 12 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 12 24·089
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*

Rain. Cloudy, T.storm, Raining.
wind N. and E wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth heavy very heavy.

42 30·16 F 58

| STATIONS. | wt | d'x | wr | R'in |
|---|---|---|---|---|
| Casino . | r | 72 | 53 | 0 |
| Tent'rfield | g | 78 | 50 | 0 |
| Clarence . | r | 70 | 59 | 0·16 |
| Moree .. | g | 67 | 50 | 0 |
| Grafton .. | c | 72 | 60 | 0 |
| Gl n Inn's | g | 56 | 45 | 0 |
| Inverell. | g | 63 | 59 | 0 |
| Bourke | g | 67 | 58 | 0 |
| Narrabri . | g | 58 | 48 | 0 |
| Armidale. | g | 52 | — | 0 |
| Bendem'r | g | 58 | 35 | 0 |
| Gunned'h | g | 72 | 53 | 0 |
| C'n'mble | b | 68 | 50 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | c | 53 | 46 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | g | 69 | 47 | 0 |
| P. M'cqrie | p | 66 | 56 | 0·33 |
| W'lcannia . | | — | — | — |
| Murr'ndi . | g | 55 | 49 | 0 |
| Taree. | g | 65 | 53 | 0·17 |
| Cassilis | g | 55 | 49 | 0 |
| Muss'br'k | p | 64 | 51 | 0·06 |
| Dubbo . | b | 62 | 45 | 0 |
| Menindie. | b | 64 | 47 | 0 |
| Singleton | c | 62 | 50 | 0·20 |
| Nels'n's B | b | 71 | 59 | 0·10 |
| Mudg' | g | 69 | 40 | 0 |
| Maitland. | p | 62 | 53 | 0·26 |
| Hill End. | | — | — | — |
| N'wcastle | q | 66 | 52 | 0·29 |
| Orange .. | b | 53 | 43 | 0 |
| Bathurst | b | 58 | 49 | 0 |
| Forbes .. | b | 73 | 45 | 0 |
| M. Vict'ria | r | 47 | 42 | 0·48 |
| Carcoar . | b | 56 | 45 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 61 | 45 | 0 |
| Picton .. | d | 60 | 53 | 0 |
| Sydney .. | g | 64 | 57 | 0·42 |
| Wentw'th | b | 64 | 42 | 0 |
| Young . | g | 75 | 43 | 0 |
| Woll'g'ng | q | 65 | 52 | 1·12 |
| Taralga.. | r | 61 | 38 | 0 |
| Hay .. .. | o | 65 | 46 | 0 |
| M'ss V'l | r | 50 | 45 | 1·10 |
| Euston | o | 66 | 41 | 0 |
| G'lburn | g | 57 | 46 | 0 |
| Wagga. | b | 63 | 30 | 0 |
| C Geo'. | p | 65 | 35 | 1·71 |

| Stations. | wr | M. | x | mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 58 | 43 | | 0 |
| Deniliquin. | b | 65 | 43 | | 0 |
| Moruya .. .. | p | 62 | 54 | | 0·18 |
| Kiandra.. | b | 45 | 30 | | 0 |
| Albury ... | b | 62 | 34 | | 0 |
| Bodalla.. | p | 65 | 48 | | 0·10 |
| Cooma .... | b | 54 | 40 | | 0·03 |
| Eden .. .. | p | 61 | 50 | | 0·15 |

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

R 67
B 68
G 42 57
PM 42 62
N 58
S 20 63
Wg 56 61
CG 56 61
Ma 42 55
E 14 57
Go 18 59
WP 18 55
M 54
P 23 58
CO 8
A 14 30·43 F 53
28 30·48 E 47
0 30 38 F 51

W E S

Barometers fallen about 0·03 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MAY 14 1883.

Sydney Observatory.

Lat. [illegible] 41" S. ; Long 10h. 4m. 50·81s. E.

Average [illegible] Rainfall for 24 years ... 50·640

Average for 25 years from Jan. 1st to April 30 20·329

Total Rainfall from Jan. 1st to May 14 24·486

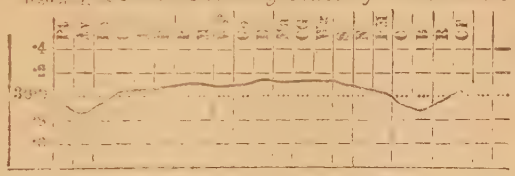
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M | X | Mn | Pr |
|---|---|---|---|---|---|
| Queanbe'an | g | 58 | [illegible] | [illegible] | [illegible] |
| Deniliquin. | g | 70 | [illegible] | [illegible] | [illegible] |
| Moruya ... | p | 65 | [illegible] | [illegible] | [illegible] |
| Kiandra .. | c | 47 | 20 | [illegible] | [illegible] |
| Albury ... | c | 70 | [illegible] | [illegible] | [illegible] |
| Bodalla.. | c | 63 | [illegible] | [illegible] | [illegible] |
| Cooma .... | b | 63 | [illegible] | [illegible] | [illegible] |
| Eden ..... | p | 62 | [illegible] | [illegible] | [illegible] |

| | | | | |
|---|---|---|---|---|
| [illegible] | | 68 | [illegible] | 25·2 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | 70 | [illegible] | 0·42 |
| [illegible] | | 72 | [illegible] | 0·95 |
| [illegible] | | 60 | 48 | 0·47 |
| [illegible] | | 62 | [illegible] | 0·55 |
| [illegible] | r | 63 | [illegible] | 1·55 |
| Narrabri | g | 55 | 47 | 0·20 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Cn'm'b'e | g | 66 | 57 | 0 |
| Kempsey | | — | — | — |
| Walcha.. | r | 53 | 47 | 0·15 |
| Tamworth | | — | — | — |
| Coonab'n | r | 69 | 45 | 0·22 |
| F. Macrie | p | 71 | 62 | 0·26 |
| W'leanni | | — | — | 0·72 |
| Murrindi | g | [illegible] | 6 | 0 |
| Taree | r | 68 | 59 | 0·60 |
| [illegible] | | [illegible] | [illegible] | 0·13 |
| Muss'br'k | p | 65 | 54 | 0·39 |
| [illegible] | | [illegible] | 55 | 0 |
| [illegible] | | [illegible] | 6 | 0·03 |
| Singleton | r | 61 | 48 | 0·55 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| 23 62 | | | | |
| Mudg' | r | 70 | 50 | 0 |
| Maitland. | p | 66 | 56 | 0·55 |
| Hill End. | | — | — | — |
| N'wcastle | g | 69 | 58 | 0·20 |
| [illegible] | | [illegible] | 59 | 0 |
| Bathurst | g | 61 | 49 | 0 |
| [illegible] | | [illegible] | 44 | 0 |
| M. [illegible] | | [illegible] | 49 | 1·55 |
| [illegible] | | [illegible] | 45 | 0 |
| Cond'b'lin | | — | — | — |
| Marsdens | c | 70 | 51 | 0 |
| Peston | | [illegible] | 53 | 0·12 |
| Sydney ... | g | 66 | 59 | 0·40 |
| Wentworth | | 71 | 55 | 0 |
| [illegible] | | 72 | 52 | 0 |
| [illegible] | | [illegible] | 55 | 0 |
| Taralga.. | r | 61 | 36 | 0·84 |
| Hay .... | c | 70 | 52 | 0 |

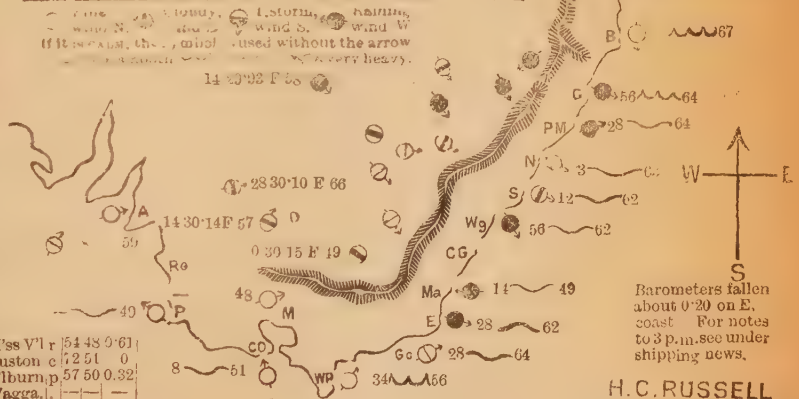
| | | | | |
|---|---|---|---|---|
| M'ss V'l | r | 54 | 48 | 0·61 |
| Euston | c | 72 | 51 | 0 |
| G'lburn | p | 57 | 50 | 0.32 |
| Wagga. | | — | — | — |
| C Geo' | | — | — | — |

*Curve showing state of Barometer.*




Fine, Cloudy, Storm, Raining, wind N. wind S. wind W

If it is calm, the symbol used without the arrow [illegible] very heavy.




Barometers fallen about 0·20 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 15 1883

Sydney Observatory.

[illegible] 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

[illegible] all for 24 years

[illegible] from Jan. 1st to April 30 [illegible]

[illegible] from Jan. 1st to May 15 [illegible]

Barometers corrected to 32° Fah. and Mean Sea [illegible]

| Stations. | W'r | M'x | M'n | R'n |
|---|---|---|---|---|
| Queanbe'an | g | 58 | 50 | 0·13 |
| Deniliquin. | b | 69 | 47 | 0 |
| Moruya | p | 64 | – | 0·41 |
| Kiandra | r | 49 | 21 | 0·25 |
| Albury | g | [illegible] | [illegible] | [illegible] |
| Bodalla | r | 64 | 50 | 0·63 |
| Cooma | [illegible] | [illegible] | [illegible] | [illegible] |
| Eden | [illegible] | [illegible] | [illegible] | [illegible] |

*[illegible] of Barometer*

| | | | | | |
|---|---|---|---|---|---|
| [illegible] | | | 3·28 | | |
| [illegible] | | | 1·36 | | |
| [illegible] | | | 0 | | |
| Young | | | – | | |
| Wol[illegible] | | | – | | |
| Taralga | r | 61 35 | 0·87 | | |
| Hay | b | 70 48 | 0 | | |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | r | 55 | 50 | 0 |
| Euston | c | 77 | 52 | 1·47 |
| G'lburn | p | 54 | 49 | 0 |
| Wagga. | | 67 | 49 | 0·21 |
| [illegible] | | 65 | 37 | 2·11 |

Barometers fallen about 0·30 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 16 1883.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 16 26·426
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Casino . | b | 75 | 50 | 0 |
| Tent'rfield | b | 6[illegible] | 42 | 0·10 |
| Clarence . | b | 73 | 58 | 0 |
| Moree | g | 61 | — | 0 |
| Grafton | b | 77 | 50 | 0 |
| Glen Inn's | g | [illegible] | [illegible] | 0·19 |
| Everell | c | 67 | 59 | 0·10 |
| Bourke | b | 67 | [illegible]4 | 0 |
| Narrabri . | g | 66 | 40 | 0 |
| Armidale. | c | 57 | | 0 |
| Bendem'r | p | 61 | 38 | 0·40 |
| Gunned'h | g | 67 | 55 | 0·03 |
| C'n'mble | b | 64 | 55 | 0 |
| Kempsey | | — | — | — |
| W[illegible] | b | 54 | 47 | 0·40 |
| Tamw'rth | . | | — | — |
| Coonab'n. | b | 65 | 51 | 0·05 |
| P. M'cqrie | b | 7[illegible] | 55 | 0 |
| Wilcannia | . | | — | — |
| Murr'ndi. | c | 60 | [illegible]4 | 0·15 |
| Taree | b | 72 | 57 | 0 |
| Cassilis | g | 6[illegible] | 55 | 0 |
| Muss'br'k | g | 66 | 57 | 0·22 |
| Dubbo . | b | 67 | 56 | 0 |
| Menindie. | b | 75 | 55 | 0 |
| Singleton | p | 63 | 5[illegible] | 0·34 |
| Nels'n's B'r | b | 85 | 58 | 0·04 |
| S 61 | | | | |
| Mudg' | b | 7[illegible] | 46 | 0·03 |
| Maitland. | g | 65 | 59 | 0·18 |
| Hill End. | | — | — | — |
| N'wcastle | g | [illegible] | 57 | 0·07 |
| Orange .. | . | — | — | — |
| Bathurst | b | 57 | 46 | 0·21 |
| Forbes .. | b | 68 | 42 | 0 |
| M. Vict'ria | b | 51 | 47 | 1·00 |
| Carcoar . | g | 56 | 49 | 0·26 |
| Condo'lin | . | — | — | — |
| Moresdens | c | 67 | 53 | 0 |
| Picton ... | g | 60 | 56 | 1·01 |
| Sydney . | c | 66 | 58 | 0·26 |
| Wootw'th | g | 77 | 49 | 0 |
| Young . | b | 69 | 46 | 0 |
| Wo[illegible]g'ng | c | 71 | 55 | 0 |
| Taralga.. | b | 63 | 34 | 1·90 |
| Hay .... | b | 71 | 49 | 0 |
| M'ss V'l | g | 54 | 49 | 3·47 |
| Euston | g | 73 | 43 | 0 |
| G'lburn | b | 56 | 50 | 1·34 |
| Wagga. | b | 70 | 37 | 0 |
| C Geo' | b | 66 | 39 | 2·60 |

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | f | 59 | 53 | 0·39 |
| Deniliquin. | b | 71 | 44 | 0 |
| Moruya .... | g | 62 | 46 | 0·36 |
| Kiandra.. | g | 48 | 20 | 0·15 |
| Albury ... | b | 72 | 41 | 0 |
| Bodalla.. | g | 63 | 51 | 0·45 |
| Cooma .... | c | 56 | 45 | 0·15 |
| Eden .... | b | 32 | 55 | 0·70 |

0 30·31 R 66 *Curve showing state of Barometer.*




Fine wind N, Cloudy wind E, T. storm wind S, Raining wind W
If it is CALM, the symbol used without the arrow
sea smooth, heavy, very heavy.

Barometers risen about 0·10 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. MAY 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... | 50·640 |
| Average for 25 years from Jan. 1st to | April 30 | 20·329 |
| Total Rainfall from Jan. 1st to | May 17 | 26·436 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | b | 78 | 47 | 0 |
| Tent'rfield | o | 6 | 47 | 0 |
| Clarence . | b | 73 | 57 | 0 |
| Moree . | g | 68 | - | 0 |
| Grafton | b | 77 | 49 | 0 |
| Gl n Inn's | g | 73 | 57 | 0·10 |
| Inverell . | b | 68 | 54 | 0 |
| Bourke | b | 80 | 5 | 0 |
| Narrabri . | g | 60 | 50 | 0·30 |
| Armidale. | g | 57 | | 0 |
| Bendem'r | p | 61 | 34 | 0·26 |
| Gunned'h | g | 67 | 49 | 0·55 |
| C'n'mble | b | 69 | 56 | 0·10 |
| Kempsey | | — | – | — |
| Walcha.. | g | 58 | 46 | 0·06 |
| Tamw'rth | r | 59 | | 0·20 |
| Coonab'n. | b | 65 | 39 | 0·31 |
| P. M'cqrie | g | 74 | 53 | 0 |
| W'lcannia | . | — | - | — |
| Murr'ndi . | g | 60 | 50 | 0·27 |
| Taree | g | 74 | 55 | 0 |
| Cassilis | g | 61 | 54 | 0·11 |
| Muss'br'k | g | 71 | 5 | 0·03 |
| Dubbo . | b | 77 | 52 | 0·09 |
| Menindie. | b | 72 | 60 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B. | b | 86 | 53 | 0 |
| Mudg' | b | 69 | 42 | 0·10 |
| Maitland. | g | 69 | 55 | 0 |
| Hill End. | | — | — | — |
| N'wcastle | g | 69 | 53 | 0 |
| Orange .. | g | 60 | 42 | 0·16 |
| Bathurst | b | 60 | 43 | 0·20 |
| Forbes .. | b | 67 | 40 | 0·14 |
| M. Vict'ria | b | 85 | 45 | 0·05 |
| Carcoar . | g | 57 | 45 | 0·15 |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | .. |
| Picton .. | . | — | | — |
| Sydney .. | g | 70 | 56 | 0·01 |
| Wentw'th | b | 72 | 49 | 0·15 |
| Young . | g | 74 | 44 | 0·08 |
| Woll'g'ng | b | 74 | 54 | 0·03 |
| Taralga.. | g | 62 | 36 | 0 |
| Hay .... | c | 71 | 50 | 0·07 |
| M'ss V'l' | g | 59 | 45 | 0 |
| Euston | g | 73 | 51 | 0·21 |
| G'lburn | g | 64 | 42 | 0·06 |
| Wagga. | g | 61 | 39 | 0·19 |
| C Geo' | b | 67 | 33 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | r | 61 | 40 | 0·24 |
| Deniliquin. | q | 71 | 47 | 0·35 |
| Moruya .. . | g | 68 | 49 | 0·05 |
| Kiandra.. | s | 55 | 21 | 0·47 |
| Albury ... | p | 72 | 48 | 0 |
| Bodalla.. | b | 75 | 44 | 0·17 |
| Cooma .... | g | 64 | 37 | 0·20 |
| Eden .... . | o | 65 | 57 | 0·08 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 18 1883.

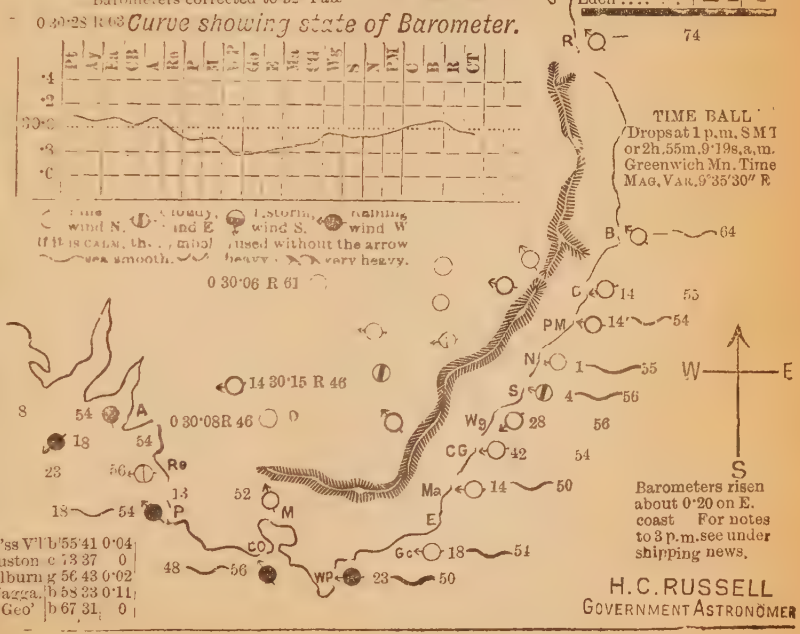
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 18 26·437
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 54 | 41 | 0·05 |
| Deniliquin. | b | 71 | 38 | 0 |
| Moruya .. . | b | 67 | 45 | 0 |
| Kiandra .. | g | 45 | 28 | 0·93 |
| Albury ... | . | — | — | — |
| Bodalla .. | b | 67 | 33 | 0·03 |
| Cooma .... | b | 60 | 34 | 0 |
| Eden .... | . | — | — | — |

| STATIONS. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 76 | 45 | 0 |
| Tent'rfield | b | 6[illegible] | 44 | 0 |
| Clarence . | b | 74 | 54 | 0 |
| Moree | b | [illegible] | — | 0 |
| Grafton | b | 7[illegible] | 44 | 0 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri. | b | [illegible] | [illegible] | 0 |
| Armidale. | b | [illegible] | [illegible] | 0·15 |
| Bendem'r | g | [illegible] | [illegible] | 0·25 |
| Gunned'h | b | [illegible] | [illegible] | [illegible] |
| C'n'mble | b | [illegible] | 44 | 0 |
| Kempsey | | — | — | — |
| Walcha.. | c | [illegible] | [illegible] | [illegible] |
| Tam'w'rth | b | 61 | — | 0·35 |
| Coo[illegible]n. | b | [illegible] | [illegible] | 0 |
| P. M[illegible] | b | [illegible] | [illegible] | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | [illegible] | [illegible] | 0 |
| Taree | b | [illegible] | [illegible] | 0 |
| Cassilis | g | [illegible] | [illegible] | 0 |
| Muss'br'k | b | [illegible] | 47 | 0 |
| Dubbo . | b | [illegible] | [illegible] | 0 |
| Menindie. | b | [illegible] | [illegible] | 0 |
| Singleton | b | [illegible] | [illegible] | 0 |
| Nels'n's B'l | b | 74 | 52 | 0·02 |
| S 64 Mudg' | g | 64 | 43 | 0·03 |
| Maitland. | b | [illegible] | [illegible] | 0 |
| Hill End. | | — | — | — |
| Newcastle | b | 71 | 50 | 0 |
| Orange .. | . | — | — | 0 |
| Bathurst | g | 54 | 43 | 0 |
| Forbes .. | b | 66 | 40 | 0 |
| M. Vict'ria | b | 48 | 40 | 0·13 |
| Carcoar . | g | 58 | 41 | 0·31 |
| Cond'b'lin | b | — | — | 0·30 |
| Marsdens | . | — | — | . |
| Picton .. | b | 63 | 45 | 0 |
| Sydney . | c | 67 | 53 | 0 |
| Wentw'th | b | 65 | 42 | 0 |
| Young . | g | 65 | 46 | 0·15 |
| Woll'g'ng | b | 70 | 52 | 0 |
| Taralga.. | b | 62 | 35 | 0 |
| Hay .... | b | 59 | 45 | 0 |




| | | | |
|---|---|---|---|
| M'ss V'l | b | 55 41 | 0·04 |
| Euston | c | 73 37 | 0 |
| G'lburn | g | 56 43 | 0·02 |
| Wagga. | b | 58 33 | 0·11 |
| C Geo' | b | 67 31 | 0 |

Barometers risen about 0·20 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 19 1883

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 19 26·438
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 43 | 0 |
| Deniliquin. | g | 62 | 42 | 0 |
| Moruya ... | b | 68 | 45 | 0 |
| Yiandra.. | c | 47 | 21 | 0·33 |
| Albury ... | f | 62 | 39 | 0 |
| Bodala.. | b | 71 | 34 | 0 |
| Cooma .... | e | 59 | 34 | 0 |
| Eden .... | b | 65 | 53 | 0 |

| STATIONS. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casi[illegible] | b | 74 | 40 | 0 |
| Tent'rfield | b | [illegible] | [illegible] | 0 |
| Clare[illegible] | b | 74 | [illegible] | 0 |
| Mer[illegible] | g | [illegible] | [illegible] | 0 |
| Grafton | [illegible] | 7[illegible] | [illegible] | 0 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. | b | [illegible] | [illegible] | 0 |
| Bourke | [illegible] | [illegible] | [illegible] | 0 |
| Narrabri. | [illegible] | [illegible] | [illegible] | 0 |
| Arm[illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Bendem'r | [illegible] | [illegible] | [illegible] | 0 |
| G[illegible] | [illegible] | [illegible] | [illegible] | 0 |
| C'n'mble | b | [illegible] | [illegible] | 0 |
| Kempsey | [illegible] | [illegible] | [illegible] | — |
| Walcha.. | [illegible] | [illegible] | [illegible] | 0 |
| Tamw'rth | [illegible] | [illegible] | [illegible] | [illegible] |
| Coonab'n. | [illegible] | [illegible] | [illegible] | 0 |
| P. M'cqrie | [illegible] | [illegible] | [illegible] | 0 |
| W[illegible] | [illegible] | [illegible] | [illegible] | — |
| Murr'ndi. | g | [illegible] | [illegible] | [illegible] |
| Taree | [illegible] | [illegible] | [illegible] | 0 |
| Cas[illegible] | b | [illegible] | [illegible] | 0 |
| Muss'br'k | b | [illegible] | [illegible] | 0 |
| Dubbo . | g | [illegible] | [illegible] | 0 |
| Menindie. | g | [illegible] | [illegible] | 0 |
| Singleton | b | [illegible] | [illegible] | 0 |
| Nels'n's B. | b | [illegible] | [illegible] | 0 |
| Mudg' | b | [illegible] | [illegible] | 0 |
| Maitland. | b | [illegible] | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 71 | 47 | 0 |
| Orange .. | g | [illegible] | [illegible] | [illegible] |
| Bathurst | b | [illegible] | [illegible] | 0 |
| Forbes .. | b | [illegible] | [illegible] | 0 |
| M. Vict'ria | b | [illegible] | [illegible] | 0 |
| Carcoar . | [illegible] | 54 | 37 | 0 |
| Cond'b'lin | c | 50 | 42 | 0 |
| Marsdens | [illegible] | — | — | — |
| Picton .. | g | 62 | 35 | 0·12 |
| Sydney .. | g | 61 | 49 | 0 |
| Wentw'th | b | 65 | 46 | 0 |
| Young . | c | 44 | 36 | 0 |
| Wolf'g'ng | c | 71 | 47 | 0 |
| Taralga.. | . | — | — | — |
| Hay .... | b | 63 | 49 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 53 | 38 | 0 |
| Euston | b | 65 | 47 | 0 |
| G'lburn | b | 56 | 42 | 0 |
| Wagga. | g | 59 | 31 | 0 |
| C Geo' | b | 67 | 29 | 0 |

Barometers risen about 0·15 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

.E.
calm
steady,
c, 0·120 ;
; showery at
y weather, with
winds on coast.
winds light from
e 54 ; Cape Otway,
ortland, fine, sea
, S., 13, fine, sea
temperatur
W., 28,
rough

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 22 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

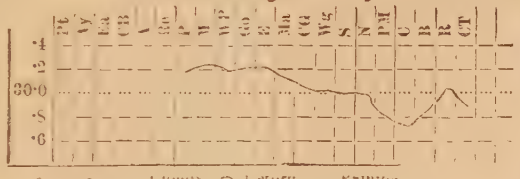
Average Annual Rainfall for 24 years .... 50·640

Average for 25 years from Jan. 1st to April 30 20·329

Total Rainfall from Jan. 1st to May 22 27·398

Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




Cloudy. Storm, Raining
wind N. and E wind S. wind W
If it is CALM, this mark used without the arrow
sea smooth. heavy very heavy.

| Stations. | WT | M | X | m | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 52 | 38 | | 0 |
| Deniliquin. | . | — | — | | — |
| Moruya .. . | p | 61 | 45 | | 0·19 |
| Kiandra.. | n | 42 | 24 | | 0 |
| Albury ... | b | 58 | 53 | | 0 |
| Bodalla.. | g | 61 | 42 | | 0·14 |
| Cooma .... | c | 53 | 32 | | 0 |
| Eden .... | g | 59 | 49 | | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a. m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E. coast For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 23 1883.

Sydney Observatory.

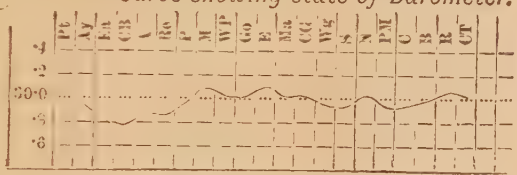
*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 23 27·598
Barometers corrected to 32° Fah. and Mean Sea Level

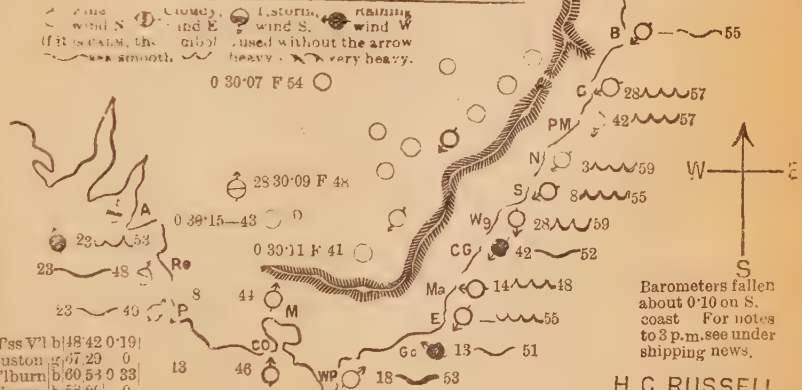
| Stations | w | 4° | [illegible] | [illegible]in |
|---|---|---|---|---|
| Casino . | b | 57 | 41 | 0 |
| Tent'rfield | n | 59 | 33 | 0 |
| Clarence . | b | 64 | 53 | 0·10 |
| Moree | [illegible] | 69 | – | 0 |
| Grafton | b | [illegible] | [illegible] | 0·10 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. | n | 61 | 28 | 0 |
| Bourke | b | 72 | 44 | 0 |
| Narrabri. | b | 62 | 40 | 0 |
| Armidale. | [illegible] | 5[illegible] | | 0 |
| Bendem'r | g | 55 | 27 | 0 |
| Gunned'h | c | 67 | 48 | 0 |
| C'nimble | | – | – | — |
| Kempsey | . | – | – | — |
| Walcha.. | b | 49 | [illegible] | 0·24 |
| Tamw'rth. | . | — | — | . |
| Coonab'n. | b | 61 | 31 | 0 |
| P. M'cqrie | b | 74 | 54 | 0·75 |
| W'lcannia | . | – | – | — |
| Murr'ndi. | c | 54 | 48 | 0·05 |
| Taree | b | 63 | 54 | 0·05 |
| Cassilis | b | 5[illegible] | 40 | 0 |
| Muss'br'k | n | 64 | 46 | 0 |
| Dubbo . | b | 62 | 40 | 0 |
| Menindie. | g | 63 | 38 | 0 |
| Singleton | b | 63 | 49 | 0·07 |
| Nels'n's B. | b | 82 | 53 | 0·55 |
| Mudg' | b | 70 | 38 | 0 |
| Maitland. | b | 62 | 50 | 0 |
| Hill End. | . | – | – | — |
| N'wcastle | b | 64 | 51 | 0·10 |
| Orange ... | b | 62 | 36 | 0 |
| Bathurst | f | 56 | 36 | 0 |
| Forbes ... | n | 69 | 39 | 0 |
| M. Vict'ria | b | 46 | 38 | 0·21 |
| Carcoar . | b | 52 | 44 | 0 |
| Coud'b'lin | g | 50 | 37 | 0 |
| Marsdens | . | — | — | — |
| Picton .. | b | 59 | 46 | 0 |
| Sydney .. | b | 64 | 51 | 0·20 |
| Wentw'th | g | 66 | 40 | 0 |
| Young . | b | 77 | 51 | 0·19 |
| Woll'g'ng | b | 66 | 47 | 0 |
| Taralga.. | b | 62 | 36 | 0·31 |
| Hay .... | c | 67 | 41 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 34 | 0 |
| Deniliquin. | b | 63 | 33 | 0 |
| Moruya .. | b | 60 | 46 | 0 |
| Kiandra.. | b | 45 | 17 | 0 |
| Albury ... | n | 56 | 53 | 0 |
| Bodalla . | b | 62 | 39 | 0·02 |
| Cooma .... | b | 55 | 30 | 0·11 |
| Eden .... | b | 60 | 54 | 0 |

8 30·17 F 63 *Curve showing state of Barometer.*




Fine wind N. Cloudy wind E. Storm wind S. Raining wind W.
If it is CALM, the symbol used without the arrow
sea smooth. heavy. very heavy.




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on S. coast For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 48 | 42 | 0·19 |
| Euston | g | 67 | 29 | 0 |
| G'lburn | b | 60 | 53 | 0·33 |
| Wagga. | b | 58 | 20 | 0 |
| C Geo' | p | 62 | 53 | 0·77 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 24 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 24 27·598
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 51 | 34 | 0 |
| Deniliquin. | r | 60 | 35 | 0 |
| Moruya .. | c | 64 | 45 | 0 |
| Kiandra.. | n | 25 | 19 | 0 |
| Albury ... | o | 61 | 58 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma .... | n | 59 | 28 | 0 |
| Eden .... | b | 63 | 51 | 0 |

| STATIONS | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino | b | 74 | 43 | 0 |
| Tent'rfield | o | 62 | 33 | 0 |
| Clarence . | f | 70 | 53 | 0 |
| Moree | g | 72 | — | 0 |
| Grafton | o | 72 | 45 | 0 |
| Gl'n Inn's | c | 60 | 3[illegible] | 0 |
| Inverell. | o | 62 | 2[illegible] | 0 |
| Bourke | r | 73 | [illegible] | 0 |
| Narrabri. | u | 6[illegible] | 41 | 0 |
| Armidale. | u | 57 | | 0 |
| Bendem'r | b | 5[illegible] | 36 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | c | 63 | 41 | 0 |
| Kempsey | . | — | | — |
| Walcha.. | n | 53 | 27 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | g | 65 | 31 | 0 |
| P. M'cqrie | b | 67 | 48 | 0 |
| W'lcannia | b | — | — | 0·15 |
| Murr'ndi. | o | 58 | 40 | 0 |
| Taree | g | 65 | 48 | 0 |
| Cassilis | n | 53 | 47 | 0 |
| Muss'br'k | b | 66 | 39 | 0 |
| Dubbo . | u | 61 | 40 | 0 |
| Menindie. | r | 60 | 49 | 0·33 |
| Singleton | b | 63 | 44 | 0 |
| Nels'n's B. | o | 85 | 45 | 0 |
| 23 56 Mudg' | n | 69 | 34 | 0 |
| Maitland. | g | 63 | 45 | 0 |
| Hill End. | u | — | — | 0 |
| N'wcastle | b | 68 | 47 | 0 |
| Orange .. | u | 64 | 54 | 0 |
| Bathurst | u | 60 | 32 | 0 |
| Forbes .. | o | 65 | 34 | 0 |
| M. Vict'ria | g | 54 | 42 | 0·06 |
| Carcoar . | u | 52 | 39 | 0 |
| Cond'b'lin | r | 49 | 38 | 0 |
| Marsdens | r | 63 | 41 | 0 |
| Picton .. | . | — | — | — |
| Sydney .. | o | 61 | 47 | 0 |
| Wentw'th | g | 56 | 48 | 0·05 |
| Young . | u | 72 | 34 | 0 |
| Woll'g'ng | c | 71 | 41 | 0 |
| Taralga.. | n | 60 | 32 | 0 |
| Hay .... | o | 69 | 45 | 0·12 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | n | 56 | 33 | 0 |
| Euston | r | 58 | 46 | 0·04 |
| G'lburn | b | 60 | 38 | 0 |
| Wagga. | r | 55 | 30 | 0 |
| C Geo' | b | 62 | 26 | 0·29 |

28 30 25 R 60 *Curve showing state of Barometer.*

wind N. Cloudy, wind E. T. storm, wind S. Raining wind W.
If it is CALM, the symbol used without the arrow sea smooth. heavy, very heavy.

Barometers fallen about 0·16 inland.
For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MAY 25 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 60·840 |
| Average for 25 years from Jan. 1st to | April 30 | 20·329 |
| Total Rainfall from Jan. 1st to | May 25 | 27·677 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| Stations. | WT | M X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 75 | 43 | 0 |
| Tent'rfield | o | 60 | 32 | 0 |
| Clarence .. | b | 69 | 53 | 0 |
| Moree | o | 55 | | 0 |
| Grafton | b | 71 | 41 | 0 |
| Glen Inn's | b | 55 | 32 | 0 |
| Inverell. | b | 61 | 30 | 0 |
| Bourke | b | 70 | 49 | 0 |
| Narrabri . | b | 61 | 46 | 0 |
| Armidale. | b | 54 | | 0 |
| Tendem'r | b | 54 | 34 | 0 |
| Gunned'h | c | 74 | 48 | 0 |
| C'n'mble | b | 61 | 43 | 0 |
| Kempsey | . | - | - | — |
| Walcha.. | b | 49 | 30 | 0 |
| [illegible]'rth | o | 58 | — | 0 |
| Coonab'n. | b | 58 | 39 | 0·02 |
| P. M'cqrie | b | 65 | 48 | 0 |
| Wilcannia | b | — | — | 0 |
| [illegible]rindi. | b | 47 | 39 | 0 |
| [illegible]e | b | 62 | 48 | 0 |
| [illegible]ssilis | b | 55 | 41 | 0 |
| [illegible]ss'br'k | b | 62 | 34 | 0·06 |
| Dubbo . | u | 60 | 42 | 0·26 |
| Menindie. | g | 57 | 49 | 0 |
| Singleton | o | 60 | 47 | 0 |
| Nels'n's B' | b | 84 | 45 | 0 |
| Mudg' | g | 63 | 40 | 0·21 |
| Maitland. | b | 59 | 46 | 0·11 |
| Hill End. | . | -- | -- | 0 |
| N'wcastle | b | 62 | 48 | 0 |
| Orange .. | u | 47 | 35 | 0·45 |
| Bathurst | u | 47 | 34 | 0·11 |
| Forbes .. | o | 60 | 36 | 0·43 |
| M. Vict'ria | g | 46 | 39 | 0·06 |
| Carcoar . | g | 47 | 59 | 0·77 |
| Cond'b'lin | . | | - | — |
| Marsdens | p | 52 | 48 | 0·50 |
| Picton .. | . | — | — | — |
| Sydney .. | o | 57 | 51 | 0·08 |
| Wentw'th | g | 53 | 46 | 0·02 |
| Young . | u | 64 | 36 | 0·24 |
| Woll'g'ng | c | 64 | 41 | 0 |
| Taralga.. | g | 64 | 35 | 0 |
| Hay .... | g | — | 47 | 0·24 |
| M'ss V'l | . | — | — | — |
| Euston | r | 54 | 44 | 0·12 |
| G'lburn | b | 48 | 46 | 0·06 |
| Wagga. | g | 56 | 30 | 0·36 |
| C Geo' | b | 64 | 30 | 0 |
| Queanbe'an | g | 46 | 38 | 0·25 |
| Deniliquin. | r | 55 | 45 | 0·37 |
| Moruya .. | g | 62 | 47 | 0·04 |
| Kiandra .. | s | 43 | 20 | 0 |
| Albury ... | r | 62 | 39 | 0·41 |
| Bodalla . | g | 58 | 34 | 0·03 |
| Cooma ... | c | 46 | 32 | 0·15 |
| Eden .... | g | 60 | 50 | 0 |

## Curve showing state of Barometer.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·20 inland.
For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 26 1883.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 26 27·680
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




Fine wind N. Cloudy wind E. Historic wind S. Raining wind W
If it is calm, the symbol used without the arrow
sea smooth heavy very heavy

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 48 | 41 | 0·17 |
| Deniliquin. | g | 53 | 42 | 0·28 |
| Moruya .. . | . | — | — | — |
| Kiandra.. | c | 41 | 20 | 0·64 |
| Albury ... | p | 57 | 52 | 0 21 |
| Bodalla.. | b | 61 | 35 | 0·01 |
| Cooma .... | b | 54 | 28 | 0·02 |
| Eden .... . | b | 59 | 45 | 0 |

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

| STATIONS | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 70 | 40 | 0 |
| Tent'rfield | b | 65 | 45 | 0 |
| Clarence . | b | 73 | 56 | 0 |
| Moree . | b | 68 | — | 0 |
| Grafton | b | 77 | 43 | 0 |
| Gl'n Inn's | b | 58 | 40 | 0 |
| Inverell. | g | 61 | 29 | 0 |
| Bourke | g | 70 | 48 | 0 |
| Narrabri. | b | 60 | 47 | 0 |
| Armidale. | b | 56 | | ·12 |
| Bendem'r | g | 60 | 28 | ·06 |
| Gunned'h | . | — | — | — |
| C'n'mble | c | 63 | 41 | 0·13 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 54 | 36 | 0·08 |
| Tamw'rth | | — | — | — |
| Coonab'n. | p | 59 | 33 | 0·26 |
| P. M'cqrie | b | 70 | 59 | 0·10 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 57 | 45 | 0·40 |
| Taree. | b | 68 | 46 | 0·03 |
| Cassilis | b | 54 | 45 | 0·25 |
| Muss'br'k | b | 68 | 46 | 0·15 |
| Dubbo . | g | 61 | 45 | 0·21 |
| Menindie. | b | 62 | 48 | 0·18 |
| Singleton | b | 62 | 48 | 0·10 |
| Nels'n's B. | b | 85 | 43 | 0 |
| Mudg' | p | 59 | 38 | 0·31 |
| Maitland. | b | 62 | 45 | 0·10 |
| Hill End. | b | — | — | — |
| N'wcastle | b | 67 | 47 | 0 |
| Orange .. | r | 49 | 38 | 0·05 |
| Bathurst | g | 53 | 34 | 0·40 |
| Forbes .. | p | 54 | 36 | 1·10 |
| M. Vict'ria | g | 46 | 35 | 0·09 |
| Carcoar . | r | 50 | 40 | 0·70 |
| Cond'b'lin | p | 50 | 39 | 0·80 |
| Marsdens | g | 56 | 47 | 0·32 |
| Picton .. | . | — | — | — |
| Sydney . | g | 63 | 49 | 0 |
| Wentw'th | f | 60 | 38 | 0·30 |
| Young . | r | 62 | 40 | 0·28 |
| Woll'g'ng | c | 60 | 40 | 0 |
| Taralga.. | r | 62 | 36 | 0 |
| Hay .... | b | 55 | 43 | 0·20 |
| M'ss V'l | b | 52 | 39 | 0 |
| Euston | c | 60 | 37 | 0·12 |
| G'lburn | g | 55 | 39 | 0·14 |
| Wagga. | c | 54 | 34 | 0·32 |
| C Geo' | b | 67 | 29 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

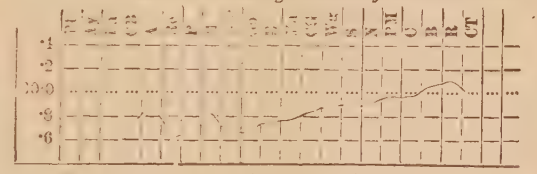
From TELEGRAMS for 9 A.M. & 3 P.M. MAY 28 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. : *Long* 10*h.* 4*m.* 50·81*s.* E.

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | April 30 | 20·329 |
| Total Rainfall from Jan. 1st to | May 28 | 27·722 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

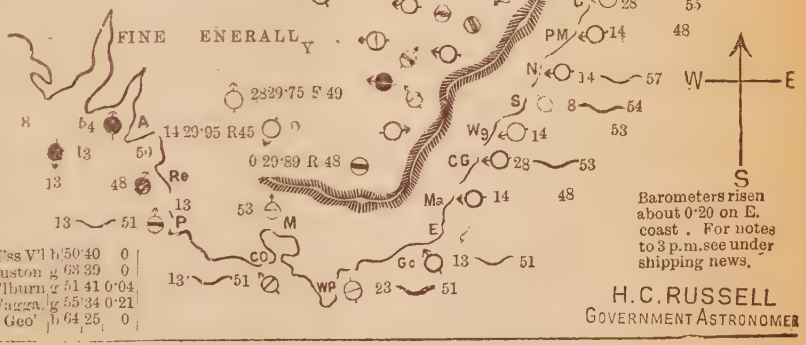
*Curve showing state of Barometer.*




Fine wind N. Rain wind E Thunderstorm wind S. Raining wind W

Shaded arrows show wind used without the arrow

sea smooth heavy very heavy




| Stations. | wr | M.X. | Mn | R'fall |
|---|---|---|---|---|
| Queanbe'an | g | 51 | 48 | 0 |
| Deniliquin. | b | 60 | 38 | 0·02 |
| Moruya .. | b | 67 | 43 | 0 |
| Kiandra .. | s | 45 | 20 | 0 |
| Albury ... | g | 54 | 37 | 0·04 |
| Bodalla .. | b | 58 | 28 | 0·09 |
| Cooma .... | b | 58 | 30 | 0·10 |
| Eden .... | b | 60 | 51 | 0 |

| STATIONS | | | | |
|---|---|---|---|---|
| Casino . | b | 71 | 37 | 0 |
| Tenterfield | o | 5. | 29 | 0 |
| Clarence . | b | 67 | 54 | 0 |
| Morec . | o | 66 | — | — |
| Grafton | b | 71 | 3 | 0 |
| Gl n Inn's | b | 6 | 45 | 0 |
| Inverell. | b | 6 | 25 | 0 |
| Bourke | b | 8 | 5 | 0 |
| Narrabri. | b | 6 | 4 | 0 |
| Armidale. | b | 6 | — | 0·25 |
| Bendemeer | g | 5 | 8 | 0 |
| Gunnedah | b | 6 | 57 | 0·02 |
| C'n'mble | b | 6 | 56 | — |
| Kempsey | | | | 1 |
| Walcha.. | b | 4 | 8 | 0·6 |
| Tamw'rth | | 54 | — | 0·1 |
| Coonab'n. | b | 55 | 37 | 0 |
| P. M'cqrie | o | 67 | 41 | 0 |
| W'lcannia | . | — | — | — |
| Murrumbi. | g | 8 | 4 | 0·35 |
| Taree | b | 64 | 45 | 0 |
| Cassilis | p | 55 | 45 | 0·31 |
| Muss'br'k | g | 65 | 45 | 0·05 |
| Dubbo . | g | 62 | 44 | 0·26 |
| Menindie. | g | 65 | 45 | 0 |
| Singleton | b | 60 | 50 | 0·09 |
| Nels'n's P't | b | 8 | 45 | 0 |
| Mudgee | g | 62 | 39 | 0·25 |
| Maitland. | b | 59 | 47 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 67 | 45 | 0 |
| Orange .. | g | 46 | 40 | 0·15 |
| Bathurst | g | 50 | 29 | 0·35 |
| Forbes .. | g | 50 | 38 | 0·19 |
| M.Vict'ria | g | 43 | — | 0·04 |
| Carcoar . | g | 48 | 38 | 0·75 |
| Cond'b'lin | o | 58 | 48 | 0·20 |
| Marsdens | g | 58 | 47 | 0·02 |
| Picton .. | c | 58 | 43 | 0 |
| Sydney . | b | 62 | 48 | 0·04 |
| Wentw'th | b | 4 | 38 | 0 |
| Young . | p | 60 | 45 | 0 |
| Woll'g'ng | o | 68 | 40 | 0 |
| Taralga.. | o | 63 | 34 | 0·20 |
| Hay .... | c | 60 | 44 | 0 |
| M'ss V'll | b | 50 | 40 | 0 |
| Euston | g | 63 | 39 | 0 |
| G'lburn | g | 51 | 41 | 0·04 |
| Wagga. | g | 55 | 34 | 0·21 |
| C Geo' | b | 64 | 25 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams [illegible] MAY 29 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640

Average for 25 years from Jan. 1st to [illegible] April 30 20·329

[illegible] Ma 29 27·723

Barometers corrected to 32 Fah. and Mean Sea [illegible]

| Stations. | WT | M.X. | Min | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 51 | 44 | 0 |
| Deniliquin. | b | 62 | 35 | 0 |
| Moruya . | b | 66 | 46 | 0 |
| Kiandra.. | g | 44 | 19 | 0·05 |
| Albury ... | g | 59 | 40 | 0·05 |
| Bodalla.. | b | 70 | 30 | 0 |
| Cooma . . | c | 50 | 57 | 0 |
| Eden .... | b | 60 | 51 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| Casino | b | [illegible] | [illegible] | [illegible] |
| [illegible] | | | | |
| Clarence . | b | [illegible] | [illegible] | 0 |
| Moree | b | 5[illegible] | [illegible] | 0 |
| Grafton | b | 7[illegible] | [illegible] | 0 |
| [illegible] | b | 53 | [illegible] | 0 |
| [illegible] | | | | |
| Bourke | [illegible] | [illegible] | [illegible] | [illegible] |
| Narrabri. | c | 64 | 30 | 0 |
| Armidale. | | | | |
| Bendemir | b | 5[illegible] | [illegible] | 0 |
| Gunned'h . | | — | — | — |
| C'n'mble . | | — | — | — |
| Kempsey . | | — | | — |
| Walcha.. | b | 50 | 24 | 0 |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | 6[illegible] | [illegible] | 0 |
| W'leamie . | | | | |
| Murr'n li. | b | | | |
| Taree.. | [illegible] | [illegible] | [illegible] | [illegible] |
| Cassilis | g | 54 | [illegible] | 0 |
| [illegible] | | | | |
| Dubbo . | b | 61 | 41 | 0 |
| Menindie. | c | 67 | 48 | 0·17 |
| Singleton | b | 62 | 49 | 0 |
| Nels[illegible] | | [illegible] | [illegible] | 0 |
| Mudg' | b | [illegible] | [illegible] | 0 |
| Maitland. | b | 62 | 46 | 0 |
| Int. Stat. | | | | |
| N'weastle | b | 66 | 50 | 0 |
| Orange . | | 7[illegible] | [illegible] | 0·05 |
| Bathurst | b | 55 | 40 | 0·10 |
| [illegible] | | 5[illegible] | [illegible] | 0 |
| M.Vict'ria | b | 44 | 39 | 0 |
| Carcoar . | [illegible] | 50 | [illegible] | 0 |
| Con[illegible] | g | 51 | 58 | 0 |
| Marsdens | [illegible] | 61 | 49 | 0 |
| Pl[illegible] . | b | 58 | 35 | 0 |
| Sydney | c | 62 | 52 | 0 |
| Wentw'th | b | 65 | 45 | 0 |
| Young . | p | 6[illegible] | 40 | 0[illegible] |
| Wolleg'ng | c | 67 | 45 | [illegible] |
| Tamiga.. | b | 65 | 35 | 0 |
| Hay .... | c | 63 | 44 | 0 |

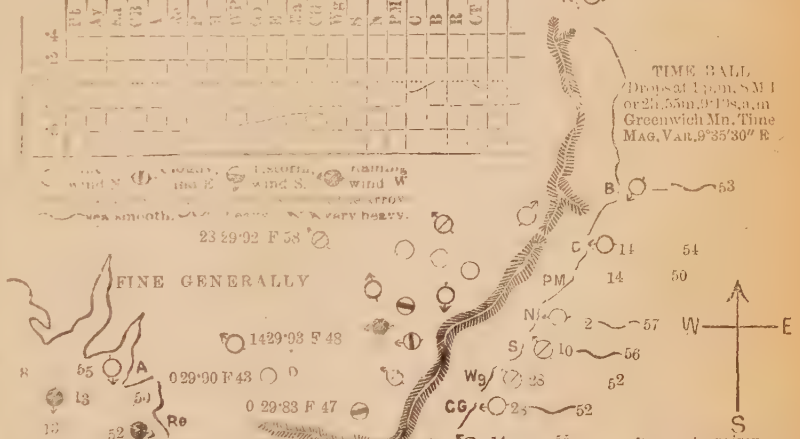
| | | | | |
|---|---|---|---|---|
| Miss V'l | b | 49 | 42 | 0 |
| [illegible]ston | b | 63 | 39 | 0 |
| [illegible]urn | b | 52 | 41 | 0 |
| Wagga | b | 59 | 36 | 0·02 |
| C Geo | b | 60 | 29 | 0 |

*Curve showing state of Barometer.*




[illegible] wind N. [illegible] wind E. [illegible] wind S. [illegible] wind W

[illegible] sea smooth. [illegible] very heavy.




Barometers risen about 0·10 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. MAY 30 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 30 27·848
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | f | 65 36 | 0 | |
| Deniliquin. | f | 59 32 | 0 | |
| Moruya . . | b | 70 43 | 0 | |
| Kiandra . . | n | 47 15 | 0·08 | |
| Albury . . . | f | 63 30 | 0 | |
| Bodalla . | b | 71 43 | 0 | |
| Cooma . . . . | n | 58 26 | 0 | |
| Eden . . . . | b | 63 49 | 0 | |

## *Curve showing state of Barometer.*

Fine Cloudy, T.storm, Raining
wind N and E wind S. wind W
If R is sea smooth, used without the arrow
very heavy.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | [illegible] | [illegible] | [illegible] | 0 |
| Tent'rfield | [illegible] | [illegible] | [illegible] | 0 |
| Clarence . | [illegible] | [illegible] | [illegible] | [illegible] |
| Moree | [illegible] | [illegible] | [illegible] | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri . | [illegible] | 67 | 41 | 0 |
| Armidale. | b | [illegible] | [illegible] | [illegible] |
| Bendem'r | g | 57 | 24 | 0·15 |
| Gunned'h | [illegible] | [illegible] | [illegible] | 0 |
| C'n'mble | b | 64 | 58 | 0 |
| Kempsey | . | — | — | — |
| [illegible] | b | [illegible] | [illegible] | 0·15 |
| Tamw'rth | c | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| P. M'cqrie | b | [illegible] | [illegible] | [illegible] |
| W'leannin | . | — | — | — |
| Murr'ndi . | b | [illegible] | 45 | 0·10 |
| Taree . . | b | 72 | 46 | 0·02 |
| Cassilis | c | [illegible] | [illegible] | [illegible] |
| Muss'br'k | b | [illegible] | 42 | 0 |
| Dubbo . | g | 59 | 41 | 0 |
| Menindie. | b | 62 | 44 | 0·03 |
| Singleton | g | 65 | 49 | 0 |
| Nels'n's B' | b | 70 | 50 | 0 |
| 34 61 Mudg' | g | [illegible] | [illegible] | [illegible] |
| Maitland. | g | 64 | 47 | 0·03 |
| Hill End. | . | — | — | — |
| Newcastle | b | [illegible] | 47 | 0 |
| Orange . . | . | — | — | — |
| Bathurst | b | 59 | 41 | 0·09 |
| Forbes . . | g | [illegible] | [illegible] | 0·20 |
| M.Vict'ria | b | [illegible] | [illegible] | [illegible] |
| Carcoar . | g | [illegible] | [illegible] | [illegible] |
| Cond'b'lin | c | [illegible] | [illegible] | [illegible] |
| Marsdens | c | [illegible] | [illegible] | [illegible] |
| Picton . . | b | [illegible] | [illegible] | 0 |
| Sydney | c | [illegible] | [illegible] | [illegible] |
| Wentw'th | g | [illegible] | [illegible] | 0 |
| Young . | g | 74 | 43 | 0·11 |
| Woll'g'ng | c | 69 | 45 | 0·05 |
| Taralga. . | g | 68 | 34 | 0 |
| Hay . . . . | b | 52 | 37 | 0·60 |
| Miss V'l | c | [illegible] | [illegible] | [illegible] |
| Euston | f | 67 | 31 | 0 |
| G'lburn | g | 58 | 38 | 0 |
| Wagga. | f | 60 | 29 | 0 |
| C Geo' | g | 67 | 31 | 0·05 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. MAY 31 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. : *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·040
Average for 25 years from Jan. 1st to April 30 20·329
Total Rainfall from Jan. 1st to May 31 27·858
... corrected to 32° Fah and Mean ...

| STATIONS. | WT | M | | R'fall |
|---|---|---|---|---|
| Casino | b | 74 | 35 | 0 |
| Tent'rfield | b | 54 | 24 | 0 |
| Clarence | b | 70 | 50 | 0 |
| [illegible] | | | | |
| Grafton | b | 73 | 43 | 0 |
| Glen Inn's | b | 50 | 23 | 0 |
| [illegible] | | | | |
| [illegible] | | | | |
| Narrabri | [illegible] | 60 | 45 | 0 |
| [illegible] | | | | |
| Bendem'r | [illegible] | 55 | 13 | 0 |
| [illegible] | | | | |
| Cr'mble | b | 57 | 36 | 0 |
| [illegible] | | | | |
| Walcha | b | 48 | 20 | 0 |
| [illegible] | | | | |
| Coonab'n | g | 36 | 25 | 0 |
| [illegible] | | | | |
| Wilcannia | [illegible] | — | — | — |
| Murr'ndi | b | 54 | 38 | 0 |
| Taree | b | 65 | 46 | 0 |
| Cassius | c | 55 | 35 | 0 |
| Muss'br'k | b | 61 | 34 | 0 |
| [illegible] | | | | |
| Menindie | g | 64 | 50 | 0 |
| Singleton | b | 62 | 49 | 0 |
| Nels'n's B' | b | 62 | 43 | 0 |
| [illegible] | | | | |
| Mudg | f | 65 | 34 | 0 |
| Maitland | b | 61 | 41 | 0 |
| Hill End | [illegible] | — | — | — |
| N'westle | b | 68 | 44 | 0 |
| Orange | [illegible] | 46 | 31 | 0 |
| [illegible] | | | | |
| Forbes | [illegible] | 61 | 33 | 0 |
| M.Vict'ria | b | 49 | 36 | 0 |
| Carcoar | g | 51 | 40 | 0 |
| [illegible] | | | | |
| Marsdens | b | 55 | 42 | 0 |
| Picton | b | 61 | 37 | 0 |
| Sydney | b | 61 | 46 | 0·01 |
| Wentw'th | b | 63 | 41 | 0·02 |
| [illegible] | | 71 | 24 | 0 |
| Wolli'g'ng | b | 68 | 48 | 0 |
| Taralga | b | 60 | 30 | 0 |
| Hay | g | 60 | 44 | 0 |

| Stations. | WT | M | X | m | R'fall |
|---|---|---|---|---|---|
| Queanbe'an | n | 46 | 32 | | 0 |
| Deniliquin | p | 55 | 37 | | 0·05 |
| Moruya | c | 65 | 41 | | 0 |
| Kiandra | g | 60 | 22 | | 0 |
| Albury | g | 55 | 35 | | 0 |
| Bodalla | f | 68 | 24 | | 0 |
| Cooma | b | 59 | 25 | | 0 |
| Eden | b | 69 | 43 | | 0 |

Curve showing state of Barometer.

[illegible] wind N [illegible] wind S. [illegible] wind W
[illegible] used without the arrow.

30·00 F 51

FINE GENERALLY

28 29·91 – 13

0 30·19 R 42

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·1s. p.m.
Greenwich Mn. Time
MAG. VAR. 9° 55′ 39″ E.

[illegible] about 0·10 on E. coast. For notes to 3 p.m. see under [illegible]

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. UNE 1 [illegible] 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 20·329 |
| Total Rainfall from Jan. 1st to | June 1 | 27·878 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| STATIONS | W | [illegible] | [illegible] | R'in |
|---|---|---|---|---|
| Casino | b | [illegible] | [illegible] | 0 |
| Tent'rfield | o | [illegible] | [illegible] | 0 |
| Clarence | [illegible] | [illegible] | [illegible] | 0 |
| Moree | o | 71 | [illegible] | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Gl n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri | [illegible] | [illegible] | [illegible] | 0 |
| Armidale. | b | [illegible] | [illegible] | 0·04 |
| Bendem'r | [illegible] | [illegible] | 23 | 0 |
| Gunned'h | b | [illegible] | [illegible] | 0 |
| C'n'mble | b | 62 | 44 | 0 |
| Kempsey | . | — | — | — |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | o | 57 | — | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| P. M'[illegible] | b | 6[illegible] | [illegible]1 | 0 |
| W[illegible] | . | | — | -- |
| M[illegible] | b | [illegible] | [illegible]2 | [illegible] |
| Taree.. | b | 66 | 47 | 0 |
| Cassilis | b | [illegible] | 4[illegible] | 0 |
| [illegible] | b | 69 | [illegible] | 0 |
| Dubbo | [illegible] | 53 | [illegible] | 0 |
| Menindie. | o | 70 | 47 | 0 |
| [illegible] | b | 68 | 45 | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | | 73 | 61 | |
| Mudg' | b | 66 | 34 | 0 |
| Maitland. | b | 59 | 43 | 0 |
| Hill End. | . | -- | -- | -- |
| N[illegible] | [illegible] | 6[illegible] | 45 | 0 |
| Orange .. | b | 48 | 36 | 0 |
| Bathurst | [illegible] | 56 | 35 | 0 |
| Forbes .. | c | 62 | 43 | 0 |
| M. Vict[illegible] | [illegible] | 49 | 40 | 0 |
| Car[illegible] | [illegible] | 51 | 40 | 0 |
| Cond[illegible] | [illegible] | 52 | 48 | 0 |
| Marsden's | b | [illegible] | 46 | 0 |
| Picton | [illegible] | [illegible] | [illegible] | 0 |
| Sydney . | b | 62 | 47 | 0 |
| Wentw'th | b | 68 | 44 | 0·10 |
| Young | g | 6[illegible] | 33 | 0·04 |
| Woll'g'ng | b | 49 | 4[illegible] | 0 |
| Taralga.. | b | 62 | 34 | 0·06 |
| Hay .... | b | 61 | 44 | 0·07 |
| M'ss V'l' | g | 54 | 41 | 0 |
| Euston | b | 68 | [illegible] | 0·14 |
| [illegible]burn | b | 59 | 35 | 0·11 |
| Wagga. | p | 58 | 26 | 0·08 |
| C Geo' | g | 65 | 29 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 36 | 0·15 |
| Deniliquin. | b | 58 | 42 | 0·20 |
| Moruya .. | g | 64 | 43 | 0 |
| Kiandra.. | s | 48 | 24 | 0·98 |
| Albury ... | d | 55 | 35 | 0·50 |
| Bodalla.. | g | 62 | 30 | 0 |
| Cooma .... | n | 55 | 29 | 0·05 |
| Eden .... | p | 58 | 4[illegible] | 0·10 |

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. JUNE 2 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | ... | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 20·329 |
| Total Rainfall from Jan. 1st to | June 2 | 27·878 |

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | MX | MN | R'N |
|---|---|---|---|---|
| Casino | b | [illegible] | [illegible] | 0 |
| Tent'rfield | [illegible] | [illegible] | [illegible] | 0 |
| Clarence | [illegible] | [illegible] | [illegible] | 0 |
| Mo[illegible] | | 73 | [illegible] | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Gl'n Inn's | b | [illegible] | 27 | 0 |
| Inverell | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Armidale. | b | [illegible] | [illegible] | 0 |
| Bendem'r | [illegible] | [illegible] | [illegible] | [illegible] |
| Gunned'h | b | [illegible] | [illegible] | [illegible] |
| C'n'mble | b | 61 | 35 | 0 |
| Kempsey | . | | | -- |
| Walcha.. | b | [illegible] | [illegible] | [illegible] |
| Tamw'rth | [illegible] | [illegible] | [illegible] | [illegible] |
| Coonab'n. | b | [illegible] | [illegible] | [illegible] |
| P. M'cqrie | b | [illegible] | [illegible] | 0 |
| W'lcannia | . | — | | — |
| Murr'ndi | b | [illegible] | [illegible] | [illegible] |
| Taree. | b | [illegible] | 47 | [illegible] |
| Cassilis | b | [illegible] | [illegible] | [illegible] |
| Muss'br'k | b | [illegible] | [illegible] | [illegible] |
| Dubbo | b | [illegible] | [illegible] | [illegible] |
| Menindie. | g | [illegible] | [illegible] | [illegible] |
| Singleton | b | 64 | 47 | 0 |
| Nels'n's B. | b | [illegible] | [illegible] | [illegible] |
| Mudg' | n | [illegible] | [illegible] | [illegible] |
| Maitland. | b | [illegible] | [illegible] | [illegible] |
| Hill End. | . | — | | — |
| N'wcastle | b | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| Carcoar. | b | 52 | [illegible] | [illegible] |
| Cond'b'lin | [illegible] | [illegible] | [illegible] | [illegible] |
| Marsdens | b | [illegible] | [illegible] | [illegible] |
| Picton | | [illegible] | [illegible] | [illegible] |
| Sydney | b | [illegible] | [illegible] | 0 |
| Wentw'th | g | [illegible] | [illegible] | 0 |
| Young | [illegible] | [illegible] | [illegible] | 0 |
| Woll'g'ng | b | [illegible] | [illegible] | 0 |
| Taralga.. | [illegible] | [illegible] | [illegible] | 0 |
| Hay .... | b | [illegible] | [illegible] | 0 |
| M'ss V'l | b | 50 | 37 | 0 |
| Euston | b | 66 | 46 | 0 |
| G'lburn | b | 50 | 34 | 0 |
| Wagga. | b | 57 | 24 | 0 |
| C Geo' | b | 63 | 25 | 0 |

| Stations. | WT | MX | MN | R'N |
|---|---|---|---|---|
| Queanbe'an | b | 50 | 32 | 0 |
| Deniliquin. | g | 59 | 39 | 0 |
| Moruya ... | b | 67 | 48 | 0 |
| Kiandra.. | n | 41 | 23 | 1·13 |
| Albury ... | g | 56 | 35 | 0·02 |
| Bodalla.. | n | 65 | 48 | 0 |
| Cooma .... | n | 57 | 24 | 0 |
| Eden .... | b | 60 | 48 | 0 |

*Curve showing state of Barometer.*

Barometers risen about 0·20 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 4 1883.

Sydney Observatory.

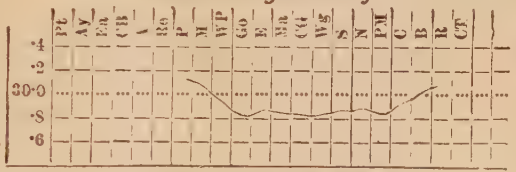
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to May 31 20·329
Total Rainfall from Jan. 1st to June 4 27·878
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 75 | 35 | 0 |
| Tent'rfield | g | 60 | 40 | 0 |
| Clarence . | b | 75 | 53 | 0 |
| Moree | n | 71 | | 0 |
| Grafton | g | 73 | 37 | 0 |
| Gl n Inn's | b | 58 | 3[illegible] | 0 |
| Inverell. | b | 58 | 21 | 0 |
| Bourke | b | 7[illegible] | 47 | 0 |
| Narrabri . | b | 60 | 40 | 0 |
| Armidale. | g | 53 | | 0·06 |
| Bendem'r | g | 56 | 32 | 0 |
| Gunned'h | g | 70 | 43 | 0 |
| C'n'mble | b | 51 | 42 | 0·04 |
| Kempsey | . | — | — | — |
| Walcha.. | r | 52 | 31 | 0 |
| Tamw'rth | . | — | — | 0 |
| Coonab'n. | b | 60 | 41 | 0 |
| P. M'cqrie | b | 39 | 45 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | g | 5[illegible] | 43 | 0·12 |
| Taree. | b | 62 | 46 | 0 |
| Cassilis | g | 52 | 38 | 0·05 |
| Muss'br'k | b | 63 | 42 | 0 |
| Dubbo . | g | 57 | 38 | 0·10 |
| Menindie. | b | 65 | 46 | 0 |
| Singleton | b | 61 | 45 | 0 |
| Nels'n's B' | b | 77 | 44 | 0 |
| udg' | g | 66 | 33 | 0·11 |
| Maitland. | b | 60 | 46 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 67 | 44 | 0 |
| Orange .. | g | 49 | 37 | 0·07 |
| Bathurst | g | 56 | 34 | 0·18 |
| Forbes .. | g | 56 | 38 | 0·36 |
| M. Vict'ria | b | 44 | 35 | 0 |
| Carcoar . | r | 50 | 37 | 0·65 |
| Cond'b'lin | b | — | — | — |
| Marsdens | b | 60 | 39 | 0·39 |
| Picton .. | g | 59 | 44 | 0 |
| Sydney .. | g | 62 | 48 | 0 |
| Wentw'th | b | 61 | 46 | 0 |
| Young . | g | 65 | 41 | 0·37 |
| Woll'g'ng | c | 69 | 47 | 0 |
| Taralga.. | b | 6[illegible] | 35 | 0 |
| Hay .... | c | 60 | 44 | 0·31 |
| M'ss V'l | b | 51 | 37 | 0 |
| Euston | g | 53 | 47 | 0·05 |
| G'lburn | b | 52 | 37 | 0 |
| Wagga. | r | 57 | 33 | 0 |
| C Geo'. | c | 60 | 25 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 52 | 32 | 0·04 |
| Deniliquin. | g | 60 | 38 | 0·30 |
| Moruya .... | b | 60 | 43 | 0 |
| Kiandra.. | b | 44 | 18 | 0·61 |
| Albury ... | b | 54 | 39 | 0·50 |
| Bodalla.. | b | 66 | 31 | 0 |
| Cooma .... | n | 57 | 25 | 0 |
| Eden .... | b | 59 | 47 | 0 |

## Curve showing state of Barometer.




Fine wind N. Cloudy wind E. Thunderstorm wind S. Raining wind W.
If it is CALM, the symbol used without the arrow
sea smooth. heavy very heavy.

Barometers risen about 0·17 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 5 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

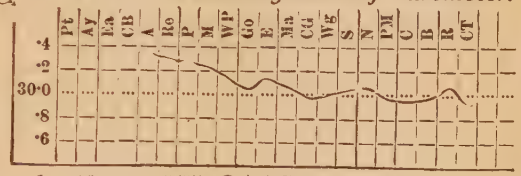
Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to May 31 20·329
Total Rainfall from Jan. 1st to June 5 27·878
Barometers corrected to 32° Fab. and Mean Sea Level

| Stations. | wt | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 68 | 35 | 0 |
| Tent'rfield. | b | 52 | 32 | 0 |
| Clarence . | b | 67 | 55 | 0 |
| Moree | g | 66 | — | 0 |
| Grafton | b | 47 | 4 | 0 |
| Gl'n Inn's | b | 54 | 28 | 0 |
| Inverell. | g | 58 | 29 | 0 |
| Bourke | b | 74 | 47 | 0 |
| Narrabri . | b | 69 | 38 | 0 |
| Armidale. | b | 46 | | 0 |
| Bendem'r | g | 49 | 32 | 0·10 |
| Gunned'h | b | 65 | 35 | 0 |
| C'n'mble | b | 57 | 38 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 43 | 23 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 59 | 28 | 0 |
| P. M'cqrie | b | 53 | 51 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 51 | 42 | 0 |
| Taree.. | g | 64 | 49 | 0 |
| Cassilis | g | 51 | 38 | 0 |
| Muss'br'k | f | 62 | 42 | 0 |
| Dubbo . | g | 57 | 39 | 0 |
| Menindie. | g | 63 | 47 | 0 |
| Singleton | b | 60 | 50 | 0 |
| Nels'n's R. | p | 82 | 49 | 0·63 |
| udg' | b | 61 | 34 | 0 |
| Maitland. | r | 61 | 48 | 0·10 |
| Hill End. | . | — | — | — |
| N'wcastle | p | 68 | 48 | 0·04 |
| Orange .. | g | 45 | 38 | 0 |
| Bathurst | g | 49 | 38 | 0 |
| Forbes .. | g | 60 | 38 | 0 |
| M. Vict'ria | r | 44 | 37 | 0·34 |
| Carcoar . | g | 47 | 40 | 0·03 |
| Cond'b'lin | g | 54 | 39 | 0 |
| Marsdens | c | 51 | 41 | 0 |
| Picton .. | g | 59 | 47 | 0 |
| Sydney .. | d | 60 | 50 | 0·10 |
| Wentw'th | b | 62 | 42 | 0 |
| Young . | f | 65 | 34 | 0 |
| Woll'g'ng | g | 67 | 48 | 0·51 |
| Taralga.. | c | 64 | 36 | 0·15 |
| Hay .. | b | 55 | 43 | 0 |

| Stations. | wt | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 50 | 34 | 0 |
| Deniliquin. | b | 58 | 43 | 0 |
| Moruya . . | g | 63 | 47 | 0·05 |
| Kiandra.. | c | 61 | 19 | 0·22 |
| Albury ... | f | 60 | 37 | 0 |
| Bodalla.. | p | 65 | 42 | 0·50 |
| Cooma .... | c | 50 | 38 | 0 |
| Eden .... | c | 60 | 54 | 0·06 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 50 | 40 | 0·33 |
| Euston | f | 69 | 49 | 0 |
| G'lburn | g | 53 | 37 | 0 |
| Wagga. | b | 55 | 33 | 0 |
| C Geo'. | g | 61 | 30 | 0·19 |

S 30·48 R 55 *Curve showing state of Barometer.*




wind N. and E wind S. wind W
If it is CALM, the symbol used without the arrow sea smooth. heavy very heavy.

Barometers risen about 0·17 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 6 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... .... 50·640
Average for 25 years from Jan. 1st to May 31 20·329
Total Rainfall from Jan. 1st to June 6 28·558
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 55 | 34 | 0 |
| Deniliquin. | b | 63 | 36 | 0 |
| Moruya .. . | b | 62 | 43 | 0 |
| Kiandra.. | b | 56 | 18 | 0 |
| Albury ... | b | 64 | 30 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma .... | c | 52 | 34 | 0·10 |
| Eden .... . | b | 62 | 48 | 0 |

*Curve showing state of Barometer.*




wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W.
If it is CALM, the symbol used without the arrow
sea smooth. heavy. very heavy.

Bar about 0·17 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 72 | 47 | 0·03 |
| Tent'rfield | b | [illegible] | [illegible] | 0 |
| Clarence . | b | 73 | 49 | 0·17 |
| Moree | b | 66 | — | 0 |
| Grafton | b | 74 | 47 | 0·08 |
| Gl'n Inn's | b | 57 | 34 | 0 |
| Inverell. | b | 58 | 31 | 0 |
| Bourke | b | 74 | [illegible] | 0 |
| Narrabri. | b | 65 | 43 | 0 |
| Armidale. | g | 50 | — | 0 |
| Bendem'r | b | 52 | 39 | 0·67 |
| Gunned'h | b | 77 | 44 | 0 |
| C'n'mble | b | 56 | 44 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 49 | 34 | 0·02 |
| Tamw'rth | b | 55 | — | 0·03 |
| Coonab'n. | b | 61 | 47 | 0 |
| P. M'cqrie | q | 36 | 52 | 0·25 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 52 | 45 | 0 |
| Taree | . | — | — | — |
| Cassilis | f | 55 | 41 | 0 |
| Muss'br'k | f | 62 | 42 | 0·16 |
| Dubbo . | b | 58 | 39 | 0 |
| Menindie. | b | 65 | 40 | 0 |
| Singleton | b | 58 | 49 | 0·37 |
| Nels'n's B | p | 70 | 45 | 1·20 |
| 8 59 udg' | b | 60 | 32 | 0 |
| Maitland. | r | 59 | 49 | 1·35 |
| Hill End. | . | — | — | — |
| N'wcastle | r | 61 | 51 | 0·75 |
| Orange .. | b | 49 | 34 | 0 |
| Bathurst | f | 53 | 32 | 0 |
| Forbes .. | f | 55 | 38 | 0 |
| M. Vict'ria | b | 45 | 37 | 0·06 |
| Carcoar . | b | 50 | 37 | 0 |
| Cond'b'lin | f | 51 | 44 | 0 |
| Marsdens | f | 53 | 40 | 0 |
| Picton .. | b | 59 | 47 | 0 |
| Sydney . | g | 58 | 51 | 0·68 |
| Wentw'th | . | — | — | — |
| Young . | f | 77 | 34 | 0 |
| Woll'g'ng | c | 63 | 50 | 0·22 |
| Taralga.. | b | 63 | 39 | 0 |
| Hay .... | b | 58 | 42 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | n | 49 | 37 | 0·14 |
| Euston | b | 60 | 35 | 0 |
| G'lburn | | 54 | 32 | 0 |
| Wagga. | f | 59 | 28 | 0 |
| C Geo' | b | 61 | 32 | 1·49 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 7 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... 50·640

Average for 25 years from Jan. 1st to May 31 20·329

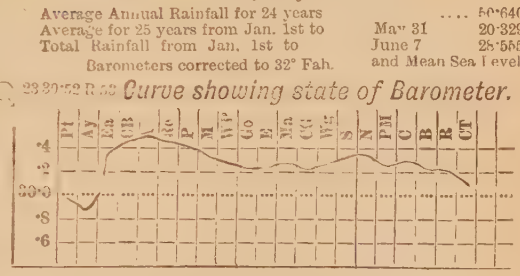
Total Rainfall from Jan. 1st to June 7 28·555

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | | | |
|---|---|---|---|---|
| Casino | b | 71 | 37 | 0 |
| Tent'rfield | b | 60 | 30 | 0 |
| Clarence | n | 66 | 32 | 0·20 |
| Moree | b | 73 | — | 0 |
| Grafton | b | 70 | 48 | — |
| Gl n Inn's | b | 57 | 33 | 0 |
| Inverell | | 60 | 25 | 0 |
| Bourke | | 74 | 49 | 0 |
| Narrabri | b | 65 | 41 | 0 |
| Armidale | f | 52 | | 0 |
| Bathurst | | 52 | 31 | 0 |
| Gunnedah | | — | — | 0 |
| C'n'mble | b | 61 | 41 | 0 |
| Kempsey | | — | — | — |
| Walcha | g | 56 | 27 | 0 |
| Tamw'rth | | — | — | — |
| Coonab'n. | b | 62 | 26 | 0 |
| P. M'eqrie | g | 56 | 50 | 0 |
| W'lcannia | | — | — | — |
| Murr'ndi | g | 55 | 38 | 0 |
| Taree | b | 64 | 50 | 0·12 |
| Cassilis | f | 56 | 36 | 0 |
| Muss'br'k | f | 66 | 44 | 0 |
| Dubbo | b | 58 | 38 | 0 |
| Menindie | b | 65 | 48 | 0 |
| Singleton | b | 62 | 45 | 0 |
| Nels'n's B | b | 81 | 47 | 0·20 |
| 8 59 | | | | |
| Mudgee | b | 70 | 29 | 0 |
| Maitland | b | 63 | 41 | 0 |
| Hill End | | — | — | — |
| N'wcastle | b | 65 | 46 | 0·04 |
| Orange | b | | 35 | 0 |
| Bathurst | f | 52 | 33 | 0 |
| Forbes | f | 56 | 36 | 0 |
| M. Vict'ria | b | 49 | 34 | 0 |
| Carcoar | b | 52 | 34 | 0 |
| Cond'b'lin | | — | — | — |
| Marsdens | f | 54 | 42 | 0 |
| Picton | b | 60 | 33 | 0 |
| Sydney | b | 61 | 47 | 0·01 |
| Wentw'th | g | 66 | 44 | 0 |
| Young | b | 67 | 32 | 0 |
| Woll'g'ng | b | 68 | 41 | 0 |
| Taralga | b | 60 | 34 | 0 |
| Hay | g | 66 | 50 | 0 |
| M'ss V'l | n | 51 | 37 | 0 |
| Euston | b | 67 | 35 | 0 |
| G'lburn | f | 58 | 31 | 0 |
| Wagga | g | 56 | 29 | 0 |
| C Geo' | b | 61 | 27 | 0 |

| Stations. | WT | M. | X | Mn | R in |
|---|---|---|---|---|---|
| Queanbe'an | n | 50 | 34 | | 0 |
| Deniliquin | g | 61 | 40 | | 0 |
| Moruya | c | 65 | 42 | | 0 |
| Kiandra | n | 67 | 20 | | 0 |
| Albury | g | 62 | 39 | | 0 |
| Bodalla | a | 67 | 30 | | 0 |
| Cooma | n | 59 | 29 | | 0 |
| Eden | b | 60 | 49 | | 0 |

Curve showing state of Barometer.




wind N. ... and E ... wind S. ... wind W

If it is CALM, the ... mbol ... used without the arrow

... sea smooth ... heavy ... very heavy.

0 30·33 R 52

FINE GENERALLY

14 30·50 —50

0 30·65 R 53

— 30·32 R 48

TIME BALL

Drops at 1 p.m. S.M.T. or 2h.55m.9·19s.a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E

Barometers risen about 0·20 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 8 1883.

Sydney Observatory.

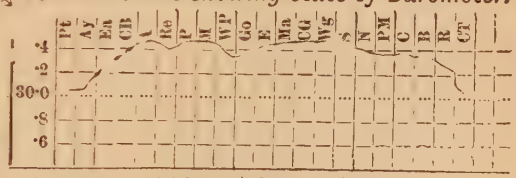
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640
Average for 25 years from Jan. 1st to May 31 ... 25·493
Total Rainfall from Jan. 1st to June 8 ... 25·605
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 49 | 34 | 0 |
| Deniliquin. | b | 61 | 38 | 0 |
| Moruya ... | b | 64 | 43 | 0 |
| Kiandra.. | f | 69 | 23 | 0 |
| Albury ... | n | 63 | 31 | 0 |
| Bodalla.. | b | 67 | [illegible] | 0 |
| Cooma .... | n | 58 | 27 | 0 |
| Eden .... | b | 60 | 47 | 0 |

| STATIONS | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 71 | 36 | 0 |
| Tent. fie'l | b | 62 | 31 | 0 |
| Clarence . | c | 66 | [illegible] | 0 |
| Moree | b | 75 | – | 0 |
| Grafton | b | 72 | 18 | 0 |
| Gl'n Inn's | b | 65 | 30 | 0 |
| Inverell. | b | 60 | 23 | 0 |
| Bourke | b | 74 | 44 | 0 |
| Narrabri . | b | 63 | 42 | 0 |
| Armidale. | g | 52 | | 0 |
| Bendem'r | b | 52 | 28 | 0 |
| Gunned'h | . | – | | — |
| C'n'mble | b | 62 | 36 | 0 |
| Kempsey | . | – | – | -- |
| Walcha.. | g | [illegible] | 28 | 0 |
| Tamw'rth | b | 57 | — | 0 |
| Coonab'n. | b | 62 | 25 | 0 |
| P. M'cqrie | b | 60 | 48 | 0 |
| W'lcannia | . | – | – | — |
| Murr'ndi. | b | 55 | [illegible] | 0 |
| Taree | b | 65 | 51 | 0 |
| Cassilis | c | 56 | 37 | 0 |
| Muss'br'k | b | 62 | 38 | 0 |
| Dubbo . | b | 57 | 37 | 0 |
| Menindie. | b | 65 | 46 | 0 |
| Singleton | b | 61 | 45 | 0 |
| Nels'n's B' | . | — | — | -- |
| 15 55 udg' | f | 73 | 31 | 0 |
| Maitland. | b | 59 | 44 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 66 | 49 | 0 |
| Orange .. | g | | 34 | 0 |
| Bathurst | f | 61 | 33 | 0 |
| Forbes .. | b | 57 | 34 | 0 |
| M. Vict'ria | g | 50 | 40 | 0 |
| Carcoar . | b | 52 | 24 | 0 |
| Cond'b'lin' | . | — | — | -- |
| Marsdens | f | 61 | 42 | 0 |
| Picton .. | b | 59 | 35 | 0 |
| Sydney . | g | 63 | 50 | 0·05 |
| Wentw'th | b | 63 | 38 | 0 |
| Young . | b | 75 | 32 | 0 |
| Woll'g'ng | b | 70 | 48 | 0 |
| Taralga.. | g | 62 | 35 | 0 |
| Hay .... | | 62 | 42 | 0 |
| M'ss V'l | f | 53 | 35 | 0 |
| Euston | n | 64 | 31 | 0 |
| G'lburn | b | 61 | 34 | 0 |
| Wagga. | b | 57 | 25 | 0 |
| C Geo'. | b | 64 | 31 | 0·07 |

8 30·50 R 52 *Curve showing state of Barometer.*




Fine wind N. Cloudy, wind E. Thunderstorm, wind S. Raining wind W
If it is CALM, the symbol used without the arrow
sea smooth. heavy. very heavy.

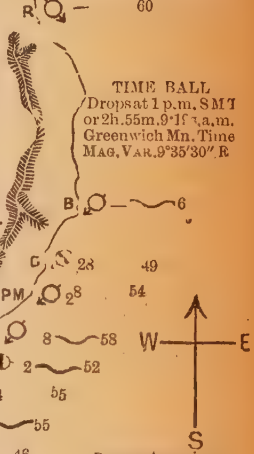
0 30·62 R 52

FINE GENERALLY

28 30·54 R 61

0 30·45 F 41

0 30·32 S 40




TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·1[illegible] a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 9 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long 10h. 4m. 50·81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 9 | 28·611 |

Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 70 | 43 | 0 |
| Tent'rfield | f | 64 | 33 | 0 |
| Clarence . | . | — | — | - |
| Moree .. | b | 75 | — | 0 |
| Grafton | b | 73 | 48 | 0 |
| Gl n Inn's | b | 61 | 33 | 0 |
| Inverell.. | [illegible] | [illegible] | 20 | 0 |
| Bourke | [illegible] | 63 | 44 | 0 |
| Narrabri . | b | 61 | 42 | 0 |
| Armidale. | f | 5[illegible] | — | 0 |
| Lendem'r | b | 59 | 30 | 0 |
| Gunned'h | . | - | — | — |
| C'n'mble | b | 64 | 37 | 0 |
| Kempsey | . | — | — | -- |
| Walcha.. | f | 54 | 30 | 0 |
| Tamw'rth | . | -- | — | 0 |
| Coonab'n. | b | 63 | 34 | 0 |
| P. M'cqrie | b | 62 | 49 | 0 |
| Wilcannia | . | — | - | — |
| Murr'ndi . | b | 54 | 32 | 0 |
| Taree .. | b | 65 | 50 | 0 |
| Cassilis | b | 56 | 38 | 0 |
| Muss br'k | b | 64 | 39 | 0 |
| Dubbo . | b | 57 | 35 | 0 |
| Menindie. | b | 64 | 43 | 0 |
| Singleton | b | 61 | 43 | 0 |
| Nels'n's B' | b | 81 | 45 | 0·10 |
| Mudg' | f | 70 | 32 | 0 |
| Maitland. | g | 61 | 45 | 0 |
| Hill End. | . | — | -- | — |
| N'wcastle | b | 67 | 44 | 0 |
| Orange .. | b | 51 | 30 | 0 |
| Bathurst | f | 61 | 28 | 0 |
| Forbes .. | o | 58 | 33 | 0 |
| M. Vict'ria | b | 53 | 36 | 0 |
| Carcoar . | b | 52 | 34 | 0 |
| Cond'b'lin | . | — | — | - |
| Marsdens | b | 62 | 41 | 0 |
| Picton .. | . | -- | . | |
| Sydney . | b | 62 | 47 | 0·01 |
| Wentw'th | b | 62 | 35 | 0 |
| Young . | b | 72 | 32 | 0 |
| Woll'g'ng | b | 69 | 44 | 0 |
| Taralga.. | b | — | 34 | 0 |
| Hay .... | b | 60 | 37 | 0 |
| M'ss V'l | b | 51 | 38 | 0 |
| Euston. | b | 70 | 32 | 0 |
| G'lburn | f | 73 | 27 | 0 |
| Wagga. | b | 56 | 23 | 0 |
| C Geo'. | b | 64 | 29 | 0 |

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | f | 51 | 33 | 0 |
| Deniliquin. | b | 59 | 34 | 0 |
| Moruya .. | f | 64 | 44 | 0 |
| Kiandra.. | f | 45 | 14 | 0 |
| Albury ... | g | 61 | 36 | 0 |
| Bodalla.. | n | 70 | 26 | 0 |
| Cooma .... | f | 58 | 26 | 0 |
| Eden .... | . | — | — | 0 |

H.C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. JUNE 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... .... | 50·640 |
| Average for 25 years from Jan. 1st to | Ma- 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 11 | 28·664 |

Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS | W | MAX | MIN | RAIN |
|---|---|---|---|---|
| Cas[illegible] | c | 73 | 42 | 0 |
| Te[illegible]rfield | [illegible] | 60 | 29 | 0 |
| Cl[illegible]ence | c | 65 | 40 | 0 |
| [illegible]ree | b | 73 | | 0 |
| Grafton | [illegible] | [illegible] | 45 | 0 |
| Gl[illegible]n Inn's | b | 62 | [illegible] | 0 |
| Inverell. | [illegible] | [illegible] | 24 | 0 |
| Bourke | [illegible] | 71 | [illegible] | 0 |
| Narrabri. | b | 60 | [illegible] | 0 |
| Arm[illegible]dale. | f | 5[illegible] | | 0 |
| [illegible] | n | [illegible] | 2[illegible] | 0 |
| [illegible] | . | - | — | — |
| C[illegible] | b | [illegible] | 31 | 0 |
| Ken[illegible] | . | — | | — |
| W[illegible] | c | [illegible] | 25 | 0 |
| Tamw[illegible]th | . | | — | - |
| [illegible] | b | [illegible] | [illegible] | 0 |
| P. M[illegible] | g | [illegible] | [illegible] | 0·07 |
| W[illegible] | . | — | - | — |
| [illegible] | [illegible] | 57 | [illegible] | 0 |
| T[illegible] | [illegible] | [illegible] | 49 | 0·09 |
| Cass[illegible] | c | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | 41 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 1·00 |
| Mudg' | b | 70 | 29 | 0 |
| M[illegible] | r | [illegible] | 41 | 0·11 |
| Hill End. | . | | - | — |
| Newcastle | r | 67 | 52 | 0·12 |
| Orange .. | b | [illegible] | [illegible] | 0 |
| Bathurst | b | [illegible] | 29 | 0 |
| F[illegible]bes .. | [illegible] | 60 | 33 | 0 |
| M Vict'ria | g | [illegible] | 31 | 0 |
| Ca[illegible]ar . | b | 5[illegible] | 32 | 0 |
| Cond'[illegible] | | — | | - |
| M[illegible] | b | [illegible] | [illegible] | 0 |
| Picton .. | c | | 42 | 0 |
| Sydney . | c | 60 | 51 | 0·05 |
| Wentw'th | b | 65 | 37 | 0 |
| Young . | b | 72 | 35 | 0 |
| Woll'g'ng | b | 69 | 47 | 0·18 |
| Taralga.. | g | 60 | 32 | 0 |
| Hay .... | b | 60 | 37 | 0 |

| STATIONS | W | MAX | MIN | RAIN |
|---|---|---|---|---|
| M'ss V'l | g | [illegible]1 | 41 | 0 |
| Euston | b | 70 | 31 | 0 |
| G'lburn | g | 56 | 31 | 0 |
| Wag[illegible] | b | 58 | 23 | 0 |
| C Geo' | p | 62 | 34 | 0·23 |

| Stations. | WT | MAX | MIN | R |
|---|---|---|---|---|
| Queanbe'an | n | 50 | [illegible] | [illegible] |
| Deniliquin. | n | 59 | 32 | 0 |
| Moruya . . | g | 66 | 47 | 0 |
| Kiandra.. | b | 5[illegible] | [illegible] | 0 |
| Albury ... | f | 60 | [illegible] | [illegible] |
| Bodalla.. | g | [illegible] | [illegible] | [illegible] |
| Cooma ... | n | 51 | [illegible] | [illegible] |
| Eden .... | b | [illegible] | [illegible] | [illegible] |

H. C. RUSSELL

GOVERNMENT ASTRONOMER

ETEOROLOGICAL REPORT.—Ju
— Albany: Barometer 29
rs are rising on wes
round south

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 12 1883.

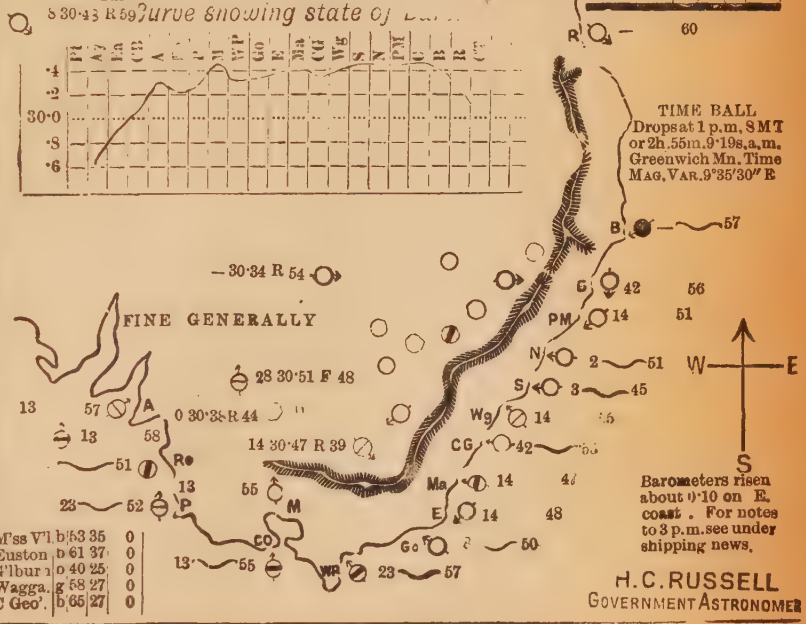
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to June 12 28·669
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 68 | 40 | 0 32 |
| Tent'rfield | b | 58 | 42 | 0 |
| Clarence . | b | 6[illegible] | 50 | 0·24 |
| Moree .. | b | 76 | — | 0 |
| Grafton | b | 69 | 40 | 0·27 |
| Gl n Inn's | b | 57 | 37 | 0 |
| Inverell. | b | 61 | 50 | 0 |
| Bourke | b | 67 | 46 | 0 |
| Narrabri. | b | 63 | 38 | 0 |
| Armidale. | b | 50 | | 0 |
| Bendem'r | b | 58 | 27 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 66 | 40 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 52 | 24 | 0 |
| Tamw'rth | b | 63 | — | 0 |
| Coonab'n. | b | 64 | 24 | 0 |
| P. M'cqrie | b | 67 | 48 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 55 | 34 | 0 |
| Taree. | b | 64 | 48 | 0 |
| Cassilis | f | 48 | 35 | 0 |
| Muss'br'k | f | 64 | 36 | 0 |
| Dubbo . | b | 57 | 37 | 0 |
| Menindie. | g | 65 | 41 | 0 |
| Singleton | f | 61 | 34 | 0 |
| Nels'n's B. | b | 81 | 34 | 0 |
| 13 61 Mudg' | f | 64 | 31 | 0 |
| Maitland. | g | 62 | 43 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 65 | 45 | 0·03 |
| Orange .. | b | 50 | 22 | 0 |
| Bathurst | g | 58 | 30 | 0 |
| Forbes .. | b | 62 | 35 | 0 |
| M. Vict'ria | b | 49 | 34 | 0 |
| Carcoar . | b | 53 | 33 | 0 |
| Cond'b'lin | g | 51 | 49 | 0 |
| Marsdens | b | 64 | 40 | 0 |
| Picton .. | c | 59 | 30 | 0 |
| Sydney .. | c | 62 | 43 | 0 |
| Wentw'th | g | 66 | 43 | 0 |
| Young . | b | 75 | 33 | 0 |
| Woll'g'ng | g | 70 | 40 | 0 |
| Taralga.. | b | 60 | 31 | 0 |
| Hay .... | b | 63 | 43 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 53 | 31 | 0 |
| Deniliquin. | b | 59 | 33 | 0 |
| Moruya .. . | g | 66 | 38 | 0 |
| Kiandra.. | n | 61 | 12 | 0 |
| Albury ... | g | 60 | 31 | 0 |
| Bodalla.. | n | 68 | 25 | 0 |
| Cooma .... | n | 57 | 27 | 0 |
| Eden .... | b | 60 | 43 | 0 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 53 | 35 | 0 |
| Euston | b | 61 | 37 | 0 |
| G'lbur n | b | 40 | 25 | 0 |
| Wagga. | g | 58 | 27 | 0 |
| C Geo'. | b | 65 | 27 | 0 |

Barometers risen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 14 1883.

Sydney Observatory.

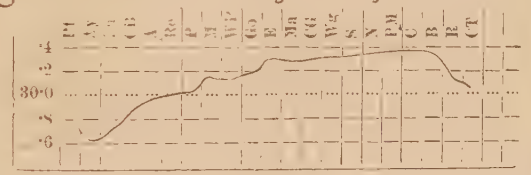
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to June 14 28·673
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | Mn | R'in. |
|---|---|---|---|---|
| Casino . | h | 73 | 36 | 0 |
| Kent'rfield | c | 58 | 29 | 0 |
| Clarence . | h | 65 | 49 | 0 |
| Moree | b | 73 | | 0 |
| Grafton | b | 70 | 46 | 0 |
| Gl n Inn's | o | 65 | 25 | 0 |
| Inverell. | o | 61 | 29 | 0 |
| Bourke | b | 71 | 50 | 0 |
| Narrabri . | g | 63 | 42 | 0 |
| Armidale. | b | 52 | | 0 |
| Bendem'r | c | 55 | 28 | 0 |
| Gunned'h | | — | — | — |
| Cr'mble | b | 65 | 44 | 0 |
| Kempsey | . | — | | — |
| Wolcha.. | c | 49 | 23 | 0 |
| Tamw'rth | . | - | — | — |
| Coonab'n. | g | 64 | 38 | 0 |
| P. M'cqrie | b | 64 | 45 | 0 |
| W'lcannia | . | | | — |
| Murr'ndi. | c | 58 | 38 | 0 |
| Taree | . | - | - | 0 |
| Cassilis | c | 56 | 36 | 0 |
| Muss'br'k | g | 63 | 30 | 0 |
| Dubbo . | b | 61 | 30 | 0 |
| Menindie. | b | 65 | 51 | 0 |
| Singleton | g | 63 | 44 | 0 |
| Nels'n's R | c | 71 | 44 | 0·02 |
| 18 6[illegible] | | | | |
| Mudg' | o | 62 | 30 | 0 |
| Maitland. | f | 60 | 41 | 0 |
| Hill End. | . | - | | — |
| N'wcastle | b | 62 | 45 | 0 |
| Orange .. | b | - | - | 0 |
| Bathurst | f | - | - | 0 |
| Forbes .. | g | 58 | 38 | 0 |
| M.Vict'ria | b | 47 | 28 | 0 |
| Carcoar . | g | 4[illegible] | 35 | 0 |
| Cond'b'lin | g | 5[illegible] | 49 | 0 |
| Marsdens | c | 57 | 45 | 0 |
| Picton .. | c | 57 | 32 | 0 |
| Sydney . | c | 57 | 55 | 0 |
| Wentw'th | g | 64 | 51 | 0 |
| Young . | g | 57 | 37 | 0 |
| Woll'g'ng | c | 61 | 44 | 0 |
| Taralga.. | g | 60 | 35 | 0 |
| Hay .... | c | 58 | 46 | 0 |
| M'ss V'l'g | g | 49 | 37 | 0 |
| Euston | g | 65 | 51 | 0 |
| G'lburn | b | 55 | 28 | 0 |
| Wagga. | b | 55 | 32 | 0 |
| C Geo' | b | 60 | 29 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 44 | 33 | 0 |
| Deniliquin. | g | 61 | 43 | 0 |
| Moruya .. . | b | 61 | 44 | 0 |
| Kiandra . | o | 45 | 20 | 0 |
| Albury ... | g | 60 | 39 | 0 |
| Bodalla.. | b | 65 | 31 | 0 |
| Cooma .... | f | 47 | 27 | 0 |
| Eden .... | b | 57 | 51 | 0 |

13 30·25 R 65 *Curve showing state of Barometer*




TIME BALL
Drops at 1 p.m, SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY

28 30·24 F 54
14 30·28 F 52
0 30·29 F 40

Barometers fallen
about 0·07 on S.
coast . For notes
to 3 p.m. see under
shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. JUNE 15 1883.

Sydney Observatory.

*Lat. 33 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... .... | 50·640 |
| Average for [illegible] years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 15 | 28·673 |

[illegible] corrected to 32° Fah. and Mean Sea Level

[illegible] showing state of Barometer.

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 33 | 0 |
| Deniliquin. | g | 66 | 42 | 0 |
| Moruya .. | g | 65 | 45 | 0 |
| Kiandra .. | g | 48 | 29 | 0 |
| Albury ... | g | 62 | 45 | 0 |
| Bodalla .. | g | 70 | 34 | 0 |
| Cooma .... | c | 50 | 34 | 0 |
| Eden ..... | b | 61 | 55 | 0 |

| | | | | |
|---|---|---|---|---|
| [illegible] | | | | |
| [illegible] | | | | |
| C'n'mble | b | 63 | 42 | 0 |
| [illegible] | | | | |
| [illegible] | | 52 | [illegible] | |
| [illegible] | | 50 | — | 0 |
| [illegible] | | [illegible] | [illegible] | 0 |
| P. M'cqrie | b | 65 | 42 | 0 |
| W'lcannia | . | — | — | – |
| Murr'ndi .. | [illegible] | [illegible] | [illegible] | 0 |
| Taree | [illegible] | [illegible] | [illegible] | 0 |
| Cassilis | b | 59 | 45 | 0 |
| Muss'br'k | b | 59 | 41 | 0 |
| Dubbo . | b | [illegible] | 37 | 0 |
| Menindie. | b | 72 | 62 | 0 |
| Singleton | [illegible] | 60 | 40 | 0 |
| [illegible] | [illegible] | [illegible] | 43 | 0 |
| Mudg' | g | 71 | [illegible] | [illegible] |
| Maitland. | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | . | | | — |
| N'wcastle | g | [illegible] | 43 | [illegible] |
| Orange .. | b | 49 | 34 | 0 |
| Bathurst | [illegible] | [illegible] | [illegible] | [illegible] |
| Forbes .. | g | 61 | 38 | 0 |
| M.V[illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Carc[illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | g | [illegible] | 40 | 0 |
| [illegible] | | [illegible] | 45 | 0 |
| [illegible] | | [illegible] | 34 | 0 |
| [illegible] | | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | . | [illegible] | 40 | 0 |
| [illegible] | c | 72 | 45 | 0 |
| Tarala[illegible] | b | 61 | 33 | 0 |
| Hay .. | c | 68 | 50 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 56 | 39 | 0 |
| Euston | g | 68 | 52 | 0 |
| G'lburn | g | 61 | 34 | 0 |
| Wagga. | b | 58 | 35 | 0 |
| C Geo'. | b | 67 | 29 | 0 |

Barometers fallen about 0·07 on S. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 16 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long* 10*h.* 4*m.* 50·81*s.* E.

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 16 | 28·674 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

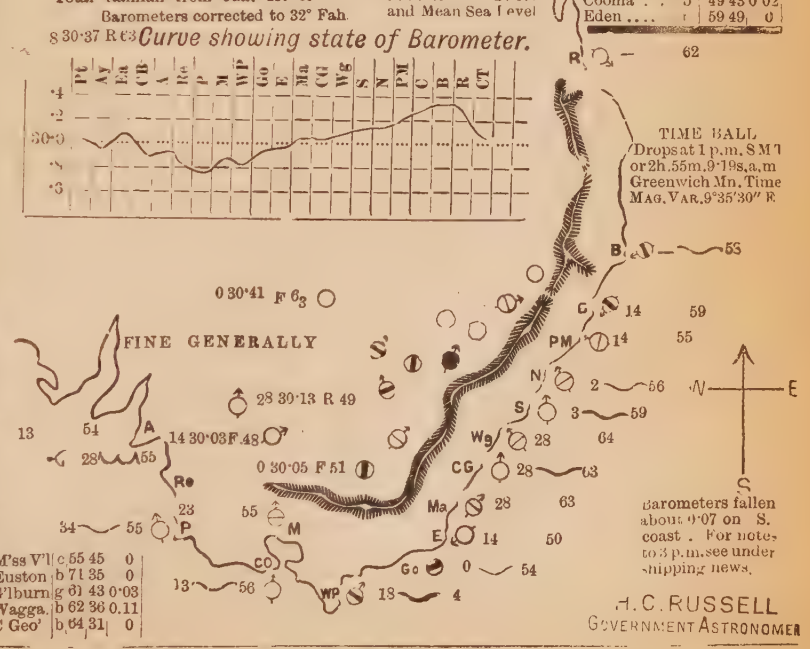
8 30·37 R 63 *Curve showing state of Barometer.*




| STATIONS. | WT | M'X | M'n | R'in |
|---|---|---|---|---|
| Casino | b | 75 | 55 | 0 |
| Tent'rfield | b | 69 | 34 | 0 |
| Clarence . | b | 69 | 50 | 0 |
| Moree | c | 71 | — | 0 |
| Grafton | g | 73 | 43 | 0 |
| Glen Inn's | b | 56 | 32 | 0 |
| Inverell. | o | 61 | 29 | 0 |
| Bourke | b | 72 | 60 | 0 |
| Narrabri. | c | 60 | 50 | 0 |
| Armidale. | b | 53 | | 0 |
| Bendem'r | b | 57 | 35 | 0 |
| Gunned'h | . | — | | — |
| C'n'mble | g | 67 | 52 | 0 |
| Kempsey | | — | | — |
| Walcha.. | c | 66 | 39 | 0 |
| Tamw'rth | . | — | | — |
| Coonab'n. | g | 66 | 39 | 0 |
| P. M'cqrie | c | 87 | 49 | 0 |
| W'lcannia | . | — | | — |
| Murr'ndi. | g | 58 | 49 | 0 |
| Taree. | . | — | | — |
| Cassilis | b | 57 | 40 | 0 |
| Muss'br'k | g | 66 | 34 | 0 |
| Dubbo . | b | 59 | 40 | 0 |
| Menindie. | b | 74 | 48 | 0 |
| Singleton | g | 65 | 48 | 0 |
| Nels'n's B. | c | 72 | 51 | 0·03 |
| 13 55 | | | | |
| Mudg' | g | 69 | 37 | 0 |
| Maitland. | b | 59 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 62 | 47 | 0 |
| Orange .. | r | 52 | 38 | 0·08 |
| Bathurst | r | 57 | 33 | 0·07 |
| Forbes .. | g | 62 | 37 | 0 |
| M. Vict'ria | g | 51 | 45 | 0 |
| Carcoar . | g | 55 | 45 | 0·10 |
| Cond'b'lin | | — | — | — |
| Marsdens | p | 60 | 50 | 0·08 |
| Picton .. | c | 56 | 36 | 0 |
| Sydney . | b | 63 | 50 | 0 |
| Wentw'th | b | 70 | 45 | 0 |
| Young . | g | 68 | 43 | 0 |
| Wolt'g'ng | c | 70 | 55 | 0 |
| Taralga.. | b | 60 | 35 | 0 |
| Hay .... | b | 66 | 43 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 53 | 39 | 0·04 |
| Deniliquin. | b | 66 | 42 | 1 |
| Moruya .. . | g | 63 | 54 | 0 |
| Kiandra.. | g | 52 | 30 | 0·85 |
| Albury ... | g | 54 | 42 | 0·44 |
| Bodalla . | g | 62 | 38 | 0 |
| Cooma . . | o | 49 | 43 | 0·02 |
| Eden .... | r | 59 | 49 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | c | 55 | 45 | 0 |
| Euston | b | 71 | 35 | 0 |
| G'lburn | g | 61 | 43 | 0·03 |
| Wagga. | b | 62 | 36 | 0.11 |
| C Geo' | b | 64 | 31 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 18 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 18 | 28·674 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

| STATIONS | | WT | M.X | MN | R'in |
|---|---|---|---|---|---|
| Casino | c | 79 | 45 | 0 | |
| Tent'rfield | g | 65 | 35 | 0 | |
| Clarence | g | 72 | 60 | 0 | |
| Morse | b | 77 | [illegible] | 0 | |
| Grafton | b | 72 | 42 | 0 | |
| Gl'n Inn's | f | 59 | 32 | 0 | |
| Inverell | b | 63 | 39 | 0 | |
| Bourke | b | 73 | 47 | 0 | |
| Narrabri | b | 60 | 42 | 0 | |
| Armidale | b | [illegible] | | 0 | |
| Bendem'r | f | 62 | 36 | 0 | |
| Gunned'h | | — | | — | |
| C'n'mble | f | 65 | 43 | 0 | |
| Kempsey | | — | — | — | |
| Walcha | b | 58 | 35 | 0 | |
| Tamw'rth | | — | — | — | |
| C[illegible]ab'n | n | 67 | 30 | 0 | |
| P. M'cqrie | b | 79 | 51 | 0 | |
| W'lcannia | | — | — | — | |
| Murrndi | b | 62 | 43 | 0 | |
| Taree | b | 64 | 45 | 0 | |
| Cassilis | o | 62 | 40 | 0 | |
| Muss'br'k | n | 70 | 40 | 0 | |
| Dubbo | n | 60 | 35 | 0 | |
| Menindie | g | 70 | 46 | 0 | |
| Singleton | b | 61 | 44 | 0 | |
| Nels'n's B | n | 64 | 49 | 0 | |
| 13 60 Mudg | o | 69 | 32 | 0 | |
| Maitland | n | 62 | 43 | 0 | |
| Hill End | | — | — | — | |
| N'wcastle | o | 71 | 48 | 0 | |
| Orange | n | 51 | 34 | 0·23 | |
| Bathurst | b | 60 | 34 | 0·23 | |
| Forbes | o | 62 | 36 | 0 | |
| M. Vict'ria | b | 55 | 39 | 0 | |
| Carcoar | b | 52 | 38 | 0·22 | |
| Cond'b'lin | b | 52 | 50 | 0 | |
| Marsdens | b | 64 | 43 | 0 | |
| Picton | b | 62 | 29 | 0 | |
| Sydney | b | 72 | 49 | 0 | |
| Wentw'th | g | 67 | 40 | 0 | |
| Young | b | 71 | 34 | 0 | |
| Woll'g'ng | b | 71 | 45 | 0 | |
| Taralga | b | 62 | 34 | 0·45 | |
| Hay | f | 65 | 42 | 0 | |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 55 | 41 | 0 |
| Euston | f | 67 | 39 | 0 |
| G'lburn | b | 59 | 40 | 0 |
| Wagga | g | 64 | 30 | 0 |
| C Geo' | b | 66 | 30 | 0 |

| Stations. | | WT | M.X | MN | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 57 | 41 | 0 | |
| Deniliquin | b | 6[illegible] | 37 | 0·05 | |
| Moruya | b | 71 | 42 | 0 | |
| Kiandra | b | 41 | 28 | 0·67 | |
| Albury | g | 67 | 42 | 0·15 | |
| Bodalla | n | 72 | 28 | 0 | |
| Cooma | b | 58 | 28 | 0 | |
| Eden | b | 63 | 51 | 0 | |

0 30·34 S 67 *Curve showing state of Barometer.*

Barometers risen about 0·10 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 19 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

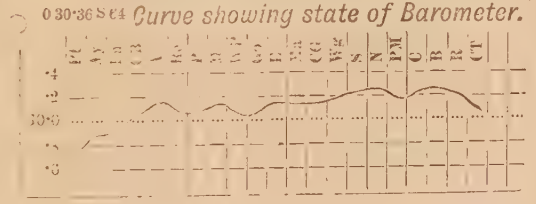
Average Annual Rainfall for 24 years ..... 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 19 28·674

Barometers corrected to 32° Fah. and Mean Sea Level

0 30·36 S 64 *Curve showing state of Barometer.*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# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 20 1883.

Sydney Observatory.

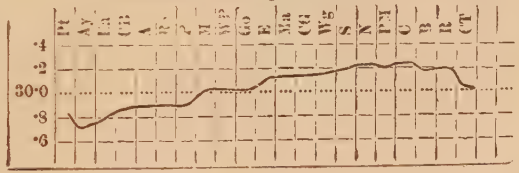
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to June 20 28·677
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 71 | 45 | 0 |
| Tent'rfield | b | 64 | 34 | 0 |
| Clarence . | c | 71 | 57 | 0 |
| Moree | g | 69 | [illegible] | 0·[illegible] |
| Grafton | b | 73 | 43 | 0 |
| Gl'n Inn's | b | 58 | 35 | 0 |
| Inverell. | g | 59 | 29 | 0·10 |
| Bourke | b | 72 | 47 | 0 |
| Narrabri . | b | 6[illegible] | 39 | 0 |
| Armidale. | b | 56 | | 0·11 |
| Bendem'r | c | 58 | 36 | 0 |
| Gunned'h | . | — | | — |
| C'n'mble | b | 67 | 41 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 54 | 39 | 0 |
| Tamw'rth | c | 71 | 38 | 0 |
| Coonab'n. | b | 65 | 32 | 0 |
| P. M'cqrie | b | 63 | 50 | 0·25 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 60 | 43 | 0 |
| Taree. | b | 68 | 47 | 0 |
| Cassilis | b | 58 | 39 | 0 |
| Muss'br'k | b | 64 | 39 | 0 |
| Dubbo . | b | 60 | 35 | 0 |
| Menindie. | b | 64 | 47 | 0 |
| Singleton | b | 63 | 43 | 0 |
| Nels'n's B. | b | 77 | 46 | 0 |
| Mudg | b | 72 | 33 | 0 |
| Maitland. | b | 61 | 43 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 71 | 46 | 0 |
| Orange .. | . | — | — | |
| Bathurst | n | 57 | 29 | 0 |
| Forbes .. | b | 62 | 35 | 0 |
| M. Vict'ria | b | 52 | 35 | 0 |
| Carcoar . | b | 50 | 34 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 64 | 42 | 0 |
| Picton .. | b | 61 | 31 | 0 |
| Sydney .. | b | 63 | 47 | 0 |
| Wentw'th | b | 72 | 43 | 0 |
| Young . | n | 78 | 34 | 0 |
| Woll'g'ng | b | 69 | 42 | 0 |
| Taralga.. | n | 60 | 34 | 0 |
| Hay .... | b | 68 | 43 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 33 | 0 |
| Deniliquin. | b | 64 | 40 | 0 |
| Moruya .. . | b | 65 | 41 | 0 |
| Kiandra.. | b | 58 | 15 | 0 |
| Albury ... | f | 64 | 34 | 0 |
| Bodalla.. | b | 67 | 26 | 0 |
| Cooma .... | b | 59 | 22 | 0 |
| Eden .... | b | 61 | 45 | 0 |

*Curve showing state of Barometer.*



| | | | |
|---|---|---|---|
| M'ss V'l | b | 52 33 | 0 |
| Euston | b | 70 42 | 0 |
| G'lburn | b | 57 25 | 0 |
| Wagga. | b | 52 24 | 0 |
| C Geo' | b | 62 25 | 0 |

Barometers fallen about 0·07 on S. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 21 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... .... 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 21 25·679

Barometers corrected to 32° Fah. and Mean Sea Level

S 30·26 F 70 *Curve showing state of Barometer.*

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 77 | 45 | 0 |
| Tent'rfield | g | 63 | 34 | 0 |
| Clarence . | b | 70 | 55 | 0·04 |
| Moree .. | g | 76 | — | 0·31 |
| Grafton .. | b | 75 | 43 | 0·33 |
| Gl n Inn's | g | 61 | 32 | 0·12 |
| Inverell. | b | 64 | 24 | 0 |
| Bourke . | b | 72 | 51 | 0 |
| Narrabri . | g | 62 | 45 | 0·10 |
| Armidale. | c | 57 | — | 0 |
| Bendem'r | r | 61 | 36 | 0·02 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 64 | 46 | 0·43 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 55 | 30 | 0 |
| Tamw'rth | . | — | — | 0 |
| Coonab'n. | f | 67 | 37 | 0·16 |
| P. M'cqrie | c | 63 | 50 | 0·05 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | g | 59 | 43 | 0·25 |
| Taree. | g | 66 | 47 | 0 |
| Cassilis | b | 58 | 42 | 0·41 |
| Muss'br'k | r | 65 | 39 | 0·14 |
| Dubbo . | g | 61 | 44 | 0·20 |
| Menindie. | g | 70 | 45 | 0·45 |
| Singleton | b | 60 | 40 | 0·02 |
| Nels'n's R | g | 80 | 46 | 0·01 |
| 18 58 Mudg | g | 77 | 37 | 0·45 |
| Maitland. | g | 58 | 42 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 66 | 45 | 0 |
| Orange .. | g | 48 | 37 | 0·21 |
| Bathurst | r | 60 | 30 | 0·14 |
| Forbes .. | g | 63 | 35 | 0·22 |
| M. Vict'ria | r | 50 | 38 | 0·17 |
| Carcoar . | r | 50 | 32 | 0·23 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 64 | 42 | 0·03 |
| Picton .. | g | 56 | 32 | 0 |
| Sydney .. | g | 63 | 45 | 0 |
| Wentw'th | b | 62 | 38 | 0·28 |
| Young . | r | 79 | 36 | 0·02 |
| Woll'g'ng | c | 69 | 42 | 0 |
| Taralga.. | r | 61 | 34 | 0 |
| Hay .... | c | 67 | 46 | 0·03 |
| M'ss V'l | c | 52 | 35 | 0 |
| Euston | f | 69 | 40 | 0·18 |
| G'lburn | r | 61 | 50 | 0·07 |
| Wagga. | g | 59 | 39 | 0·13 |
| C Geo' | b | 65 | 27 | 0 |

| Stations. | WT. | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 50 | 34 | | 0 |
| Deniliquin. | g | 64 | 42 | | 0 |
| Moruya .. . | r | 65 | 42 | | 0 |
| Kiandra.. | g | 45 | 24 | | 0·37 |
| Albury ... | g | 64 | 34 | | 0·14 |
| Bodalla . | g | 69 | 29 | | 0 |
| Cooma .... | g | 58 | 29 | | 0·20 |
| Eden .... | b | 59 | 45 | | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY

0 30·10 F 57

14 30·20 R 43

14 30·21 R 51

0 29·79 F 50

Barometers risen about ·07 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 22 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

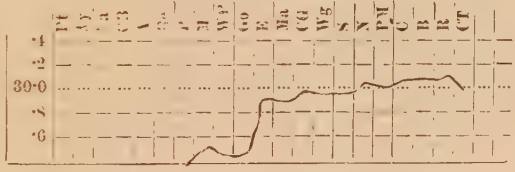
Average Annual Rainfall for 24 years .... 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 22 28·681

Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




| STATIONS. | WT | M | X | m | R'fall |
|---|---|---|---|---|---|
| Casino . | b | 68 | 36 | | 0 |
| Tent'rfield | b | 54 | 28 | 0 | 11 |
| Clarence . | b | 68 | 52 | | 0 |
| Moree . | b | 70 | — | | 0 |
| Grafton | b | 67 | 38 | | 0 |
| Gl n Inn's | b | 60 | 27 | 0 | 10 |
| Inverell. | . | — | — | | — |
| Bourke | g | 69 | 55 | | 0 |
| Narrabri . | b | 64 | 41 | | 0 |
| Armidale. | n | 50 | | | 0 |
| Bendem'r . | | — | — | | — |
| Gunned'h | c | 67 | — | | 0 |
| Cu'mble | b | 62 | 42 | | 0 |
| Kempsey | | — | — | | — |
| Waicha.. | b | 46 | 25 | 0 | 14 |
| Tamw'rth | b | 57 | — | 0 | 13 |
| Coonab'n. | b | 60 | 30 | | 0 |
| P. M'cqrie | n | 62 | 48 | | 0 |
| W'lcannia | . | — | — | | — |
| Murr'ndi. | b | 54 | 42 | | 0 |
| Taree. | b | 66 | 44 | | 0 |
| Cassilis | u | 57 | 37 | | 0 |
| Muss'br'k | b | 68 | 40 | | 0 |
| Dubbo . | g | 59 | 40 | | 0 |
| Menindie. | g | 61 | 41 | 0 | 04 |
| Singleton | b | 59 | 41 | 0 | 06 |
| Nels'n's B' | b | 79 | 49 | | 0 |
| Mudg | n | 70 | 42 | | 0 |
| Maitland. | . | — | — | | — |
| Hill End. | . | — | — | | — |
| N'wcastle | b | 62 | 45 | | 0 |
| Orange .. | b | 49 | 33 | | 0 |
| Bathurst | f | 54 | 33 | | 0 |
| Forbes .. | r | 60 | 38 | | 0 |
| M. Vict'ria | c | 52 | 35 | 0 | 19 |
| Carcoar . | b | 50 | 38 | | 0 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | . | — | — | | — |
| Picton .. | g | 53 | 32 | | 0 |
| Sydney .. | g | 60 | 45 | | 0 |
| Wentw'th | p | 63 | 42 | 0 | 37 |
| Young . | b | 76 | 37 | | 0 |
| Woll'g'ng | b | 68 | 48 | | 0 |
| Taralga.. | g | 60 | 32 | 0 | 10 |
| Hay .... | r | 57 | 50 | 0 | 11 |
| M'ss V'l | g | 51 | 30 | | 0 |
| Euston . | r | 64 | 41 | 0 | 10 |
| G'lburn | g | 57 | 50 | | 0 |
| Wagga . | g | 58 | 32 | | 0 |
| C Geo' | g | 64 | 20 | | 0 |

| Stations. | WT | M | X | m | R'fall |
|---|---|---|---|---|---|
| Queanbe'an | g | 50 | 39 | | 0 |
| Deniliquin. | r | 53 | 42 | 0 | 17 |
| Moruya .. | g | 61 | 44 | | 0 |
| Kiandra.. | g | 45 | 21 | | 0 |
| Albury ... | r | 62 | 39 | 0 | 03 |
| Bodalla.. | g | 68 | 30 | | 0 |
| Cooma .... | g | 61 | 32 | 0 | 02 |
| Eden .... | g | 61 | 50 | | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·10s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·35 on S. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 23 1888.

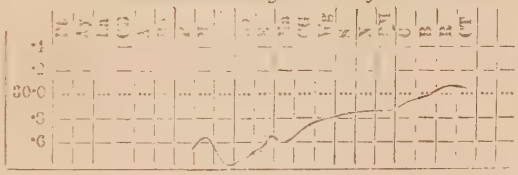
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 23 | 28·681 |

Barometers corrected to 32° Fah and Mean Sea Level

*Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·198s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

— 29·91 F 62

42 29·89 F 50

14 29·80 F 58

— 29·58 F 53

Barometers fallen about 0·20 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | | | | |
|---|---|---|---|---|
| Casino | b | | | 0 |
| Tenterfield | b | | | 0 |
| Clarence | b | | | 0 |
| Moree | b | | | 0 |
| Grafton | b | | | 0 |
| Glen Inn's | b | | | 0 |
| Inverell. | b | | | 0 |
| Bourke | g | | | |
| Nat[illegible] | | | | |
| Armidale. | b | | | |
| Bendem'r | b | 58 | 38 | 0 |
| Gunned'h | | | | — |
| C'n'mble | g | | | 0 |
| Kempsey | | | | |
| Walcha.. | b | | | 0 |
| Tamw'rth | | | | — |
| Coonab'n. | c | | | 0 |
| P. M'cqrie | c | 67 | 52 | 0 |
| W'leannia | | | | — |
| Murrundi. | b | 58 | 45 | 0 |
| Taree | g | 69 | 49 | 0 |
| Cassilis | b | 60 | 41 | 0 |
| Muss'br'k | g | 64 | 43 | 0·06 |
| Dubbo | g | 68 | 41 | 0 |
| Menindie. | c | 75 | 54 | 0·05 |
| Singleton | b | 60 | 46 | 0 |
| Nels'n's B. | b | 75 | 53 | 0 |
| [illegible] | r | 62 | 34 | 0·08 |
| Maitland. | b | 61 | 46 | 0 |
| Hill End. | | | | — |
| N'wcastle | b | 68 | 48 | 0 |
| Orange .. | | | | — |
| Bathurst | r | 54 | 35 | 0·22 |
| Forbes .. | | | | — |
| M. Vict'ria | g | 53 | 40 | 0·05 |
| Carcoar . | r | 54 | 40 | 0·75 |
| Condobo. | | | | — |
| Marsdens | g | 59 | 46 | 0·40 |
| Picton .. | g | 64 | 36 | 0 |
| Sydney . | g | 63 | 48 | 0 |
| Wentw'th | b | 62 | 47 | 0·24 |
| Young . | p | 67 | 47 | 0·70 |
| Woll'g'ng | b | 75 | 50 | 0 |
| Taralga.. | r | 62 | 34 | 0·54 |
| Hay .... | b | 58 | 44 | 0·70 |

| Stations. | WT | M | X | Mn | R'fall |
|---|---|---|---|---|---|
| Queanbe'an | g | 51 | 41 | 0 | 0·25 |
| Deniliquin. | b | 59 | 43 | 0 | 0·44 |
| Moruya . | b | 66 | 49 | 0 | |
| Kiandra.. | r | 40 | 30 | 2 | 5·8 |
| Albury .. | c | 55 | 47 | 1 | 1·18 |
| Bodalla.. | b | 67 | 35 | 0 | |
| Cooma .... | b | 56 | 39 | 0 | 1·10 |
| Eden .... | b | 61 | 50 | 0 | |
| M'ss V'l'y | g | 57 | 41 | 0 | 0·09 |
| Euston | b | 61 | 42 | 0 | 0·27 |
| G'lburn | g | 62 | 58 | 0 | 0·29 |
| Warraa. | g | 52 | 38 | 0 | 0·19 |
| C. Geo | c | 69 | 35 | 0 | |

# WEATHER MAP.

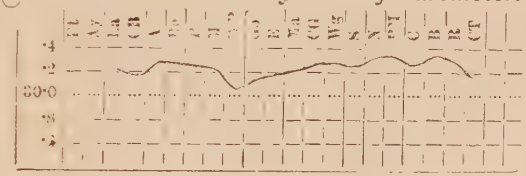
From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 25 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to June 25 28·681
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·42 R 69 *Curve showing state of Barometer.*



| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 55 | 36 | 0 | ·07 |
| Deniliquin. | b | 60 | 43 | 0 | ·02 |
| Moruya .. . | b | 67 | 44 | 0 | |
| Kiandra .. | b | — | 32 | 1 | ·59 |
| Albury ... | g | 57 | 44 | 0 | ·11 |
| Bodalla .. | b | 71 | 25 | 0 | |
| Cooma .... | b | 57 | 30 | 0 | ·10 |
| Eden .... | b | 62 | 51 | 0 | |

| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| [illegible] | | 71 | [illegible] | 0 | |
| [illegible]rfield | b | [illegible] | 2 | 0 | |
| Clarence . | b | 72 | 50 | 0 | |
| Moree .. | b | 75 | [illegible] | 0 | |
| Grafton .. | b | [illegible] | 32 | 0 | |
| Gl'n Inn's | b | [illegible] | 27 | 0 | |
| Inverell. | b | [illegible] | 30 | 0 | |
| Bourke .. | b | 67 | 44 | 0 | |
| Narrabri . | b | [illegible] | 35 | 0 | |
| Armidale. | n | 62 | | 0 | |
| Bendem'r | b | [illegible] | 30 | 0 | |
| Gunned'h . | | - | - | — | |
| C'n'mble | b | [illegible] | 34 | 0 | |
| Kempsey | | - | - | — | |
| Walcha.. | b | [illegible] | 25 | 0 | |
| Tamw'rth . | | - | - | -- | |
| Coonab'n. | n | [illegible] | 22 | 0 | |
| P. M'cqrie | b | [illegible] | 13 | 0 | |
| W'leannia . | | - | - | — | |
| Murr'ndi . | n | [illegible] | 4 | 0 | |
| Taree .. | b | [illegible] | 39 | 0 | |
| Cassilis .. | b | [illegible] | 32 | 0 | |
| Muss'br'k | b | [illegible] | 37 | 0 | |
| Dubbo . | n | 59 | 35 | 0 | |
| Menindie. | b | 69 | 41 | 0 | |
| Singleton | b | 55 | 44 | 0 | |
| Nel'n's H. | b | 63 | 45 | 0 | |
| 8 53 | | | | | |
| Mudg | f | 67 | 28 | 0 | |
| Maitland. | b | 68 | 45 | 0 | |
| Hill End. | . | - | - | — | |
| N'wcastle | b | 71 | 46 | 0 | |
| Orange .. | b | 48 | 31 | 0 | ·50 |
| Bathurst | n | 53 | 29 | 0 | ·20 |
| Forbes .. | b | 58 | 35 | 0 | |
| M.Vict'ria | b | 46 | 35 | 0 | |
| Carcoar . | b | 52 | 34 | 0 | ·25 |
| Coud'b'lin | . | - | — | 0 | |
| Marsdens | n | 64 | 40 | — | |
| Picton .. | b | 60 | 58 | 0 | ·06 |
| Sydney . | b | 65 | 48 | 0 | |
| Wentw'th | b | 64 | 39 | 0 | |
| Young . | n | 71 | 32 | 0 | |
| Woll'g'ng | b | 67 | 47 | 0 | |
| Taralga.. | g | 61 | 34 | 0 | ·25 |
| Hay .... | b | 60 | | 0 | ·02 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l. | b | 50 | 37 | 0 |
| Euston | b | 60 | 42 | 0 |
| G'lburn | b | 54 | 42 | 0 |
| Wagga. | b | 59 | 29 | 0 ·11 |
| C Geo' | b | 64 | 25 | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·40 on E. coast . For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... .... 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 26 28·683

Barometers corrected to 32° Fah. and Mean Sea Level

0 30·83 R 69 *Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

0 30·33 R 48

14 30·45 R 41

030·40 R 45

0 29·97 F 44

Barometers risen about 0·07 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | | | | in |
|---|---|---|---|---|
| Casino . | b | 75 | 35 | 0 |
| Tent'rfield | b | 67 | 31 | 0 |
| Clarence . | b | 64 | 30 | 0 |
| Moree . | b | 74 | | 0 |
| Grafton | b | 74 | 32 | 0 |
| Gl'n Inn's | b | 60 | 28 | 0 |
| Inverell. | b | 64 | 30 | 0 |
| Bourke | c | 65 | 45 | 0 |
| Narrabri . | c | 63 | 36 | 0 |
| Armidale. | b | 55 | | 0 |
| Bendem'r | b | 58 | 24 | 0 |
| Gunned'h | b | 71 | - | 0 |
| C'n'mble | b | 59 | 31 | 0 |
| Kempsey | | - | | — |
| Walcha.. | b | 56 | 18 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | n | 67 | 21 | 0 |
| P. M'cqrie | b | 66 | 44 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 56 | 38 | 0 |
| Taree . | n | 64 | 40 | 0 |
| Cassilis | n | 57 | 38 | 0 |
| Muss'br'k | b | 62 | 32 | 0 |
| Dubbo . | n | 58 | 35 | 0 |
| Menindie. | g | 66 | 45 | 0 |
| Singleton | b | 61 | 41 | 0 |
| Nels'n's R | b | 82 | 61 | 0 |
| 8 53 | | | | |
| Mudg | f | 73 | 25 | 0 |
| Maitland. | b | 59 | 41 | 0 |
| Hill End. | . | — | - | — |
| N'wcastle | b | 68 | 48 | 0 |
| Orange .. | b | 47 | 28 | 0 |
| Bathurst | n | 58 | 27 | 0 |
| Forbes .. | b | 54 | 36 | 0 |
| M. Vict'ria | b | 51 | 36 | 0 |
| Carcoar . | n | 52 | 32 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | — |
| Picton .. | c | 61 | 30 | 0 |
| Sydney .. | b | 63 | 43 | 0 |
| Wentw'th | b | 65 | 39 | 0 |
| Young . | n | 75 | 32 | 0 |
| Woll'g'ng | b | 73 | 44 | 0 |
| Taralga.. | . | — | — | — |
| Hay .... | b | 62 | 38 | 0 |
| M'ss V'l | b | 55 | 36 | 0 |
| Euston | b | 65 | 35 | 0 |
| G'lburn | b | 56 | 40 | 0 |
| Wagga. | b | 54 | 28 | 0 |
| C Geo' | b | 67 | 25 | 0 |

| Stations. | WT | M,X | in | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 50 | 30 | 0 |
| Deniliquin. | b | 60 | 40 | 0 |
| Moruya .. . | b | 68 | 41 | 0 |
| Kiandra.. | b | — | 20 | 0 |
| Albury ... | g | 59 | 44 | 0 |
| Bodalla.. | n | 71 | 22 | 0 |
| Cooma .... | n | -- | 33 | 0 |
| Eden .... | b | 63 | 52 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 27 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 27 28·684

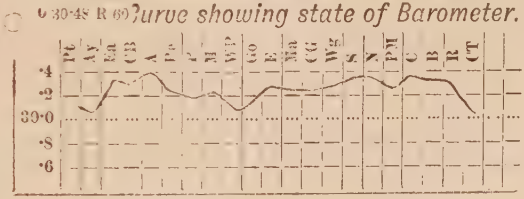
Barometers corrected to 32° Fah and Mean Sea Level

| STATIONS. | WT | M | X | Min | R'in |
|---|---|---|---|---|---|
| Casino | b | 76 | 85 | 0 | |
| Ted'rfield | g | 62 | 82 | 0 | |
| Clarence . | b | 70 | 80 | 0 | |
| Moree | g | 55 | | 0 | |
| Grafton | b | 70 | 85 | 0 | |
| Glen Inn's | g | 57 | 82 | 0 | |
| Inverell. | b | 60 | 80 | 0 | |
| Bourke | | | | | |
| Narrabri . | g | 62 | 40 | 0 | |
| Armidale. | b | 54 | | 0 | |
| Bendem'r | b | 58 | 31 | 0 | |
| Gunned'h | b | 67 | | 0 | |
| C'n'mble | n | 49 | 41 | 0 | |
| Kempsey | | | | — | |
| Walcha.. | b | 54 | 28 | 0 | |
| Tamw'rth | | | | | |
| Coonab'n. | g | 64 | 29 | 0 | |
| P. M'cqrie | b | 66 | 44 | 0 | |
| W'lcannia | | | | — | |
| Murr'ndi. | b | 57 | 35 | 0 | |
| Taree. | n | 66 | 41 | 0 | |
| Cassilis | n | 55 | 25 | 0 | |
| Muss'br'k | g | 65 | 32 | 0 | |
| Dubbo . | b | 51 | 35 | 0 | |
| Menindie. | b | 67 | 41 | 0 | |
| Singleton | b | 62 | 38 | 0 | |
| Nels'n's B. | b | 80 | 43 | 0 | |
| Mudg | n | 66 | 27 | 0 | |
| Maitland. | b | 59 | 37 | 0 | |
| Hill End. | | | | — | |
| N'wcastle | b | 68 | 43 | 0 | |
| Orange .. | n | 46 | 28 | 0 | |
| Bathurst | n | 54 | 38 | 0 | |
| Forbes .. | b | 54 | 35 | 0 | |
| M.Vict'ria | b | 49 | 31 | 0 | |
| Carcoar . | b | 47 | 32 | 0 | |
| Cond'blin | | | | — | |
| Marsdens | b | 60 | 40 | 0 | |
| Picton .. | b | 58 | 31 | 0 | |
| Sydney .. | b | 60 | 43 | 0 | |
| Wentw'th | b | 68 | 36 | 0 | |
| Young . | n | 76 | 30 | 0 | |
| Woll'g'ng | b | 71 | 45 | 0 | |
| Taralga.. | b | 56 | 29 | 0 | |
| Hay .... | b | 65 | 36 | 0 | |

| Stations. | WT | M | X | Min | R'in |
|---|---|---|---|---|---|
| Queanbe'an | n | 49 | 31 | 0 | |
| Deniliquin. | b | 62 | 38 | 0 | |
| Moruya . . | b | 66 | 40 | 0 | |
| Kiandra .. | b | 44 | 20 | 0 | |
| Albury ... | n | 64 | 32 | 0 | |
| Bodalla . | n | 70 | 23 | 0 | |
| Cooma .... | n | 59 | 23 | 0 | |
| Eden .... | b | 62 | 45 | 0 | |

| | | | |
|---|---|---|---|
| M'ss V'l'n | 52 | 34 | 0 |
| Euston | 67 | 32 | 0 |
| G'lburn | 56 | 27 | 0 |
| Wagga. | 57 | 24 | 0 |
| C Geo' | 65 | 25 | 0 |

*Curve showing state of Barometer.*




TIME BALL

Drops at 1 p.m. S M T or 2h.55m.9·19s,a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E

0 30·48 R 69

0 30·33 S 58

— 30·48 R 42

0 30·39 F 42

0 30·01 R 41

Barometers risen about 0·02 on E. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 23 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

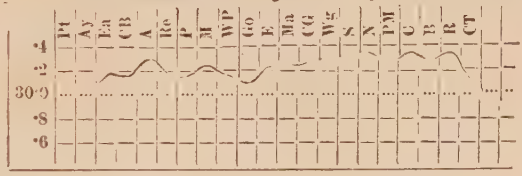
Average Annual Rainfall for 24 years . . . 50·640

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to June 23 28·685

Barometers corrected to 32° Fah and Mean Sea Level

0 30·49 R 0 *Curve showing state of Barometer.*




| STATIONS. | WT | M | X | Mn | R in |
|---|---|---|---|---|---|
| Casino . | b | 72 | 33 | | 0 |
| Tenterfield | b | 63 | 34 | | 0 |
| Clarence . | b | 70 | 50 | | 0 |
| Moree . | b | 73 | | | 0 |
| Grafton | b | 72 | 32 | | 0 |
| Glen Inn's | b | 55 | 27 | | 0 |
| Inverell. | n | 64 | 16 | | 0 |
| Bourke | b | 72 | 43 | | 0 |
| Narrabri . | b | 63 | 38 | | 0 |
| Armidale. | f | 58 | | | 0 |
| Bendem'r | b | 58 | 30 | | 0 |
| Gunned'h | b | 64 | – | | 0 |
| C'n'mble | . | — | – | | — |
| Kempsey | . | – | – | | — |
| Walcha.. | b | 52 | 20 | | 0 |
| Tamw'rth | . | — | – | | — |
| Coonab'n. | n | 69 | 29 | | 0 |
| P. M'cqrie | b | 64 | 44 | | 0 |
| W'lcannia | . | – | – | | — |
| Murr'ndi . | n | 52 | 51 | | 0 |
| Taree | n | 63 | 40 | | 0 |
| Cassilis | b | 51 | 39 | | 0 |
| Muss'br'k | n | 59 | 32 | | 0 |
| Dubbo . | b | 58 | 34 | | 0 |
| Menindie. | b | 69 | 40 | | 0 |
| Singleton | b | 56 | 55 | | 0 |
| Nels'n's P. | b | 81 | 41 | | 0 |
| 0 57 | | | | | |
| Mudg | n | 70 | 26 | | 0 |
| Maitland. | b | 55 | 35 | | 0 |
| Hill End. | . | – | – | | — |
| N'wcastle | b | 63 | 43 | | 0 |
| Orange .. | n | 46 | 30 | | 0 |
| Bathurst | n | 56 | 28 | | 0 |
| Forbes .. | b | 55 | 32 | | 0 |
| M. Victoria | b | 50 | 33 | | 0 |
| Carcoar . | n | 47 | 30 | | 0 |
| Cond'b'lin | . | – | – | | — |
| Marsdens | b | 60 | 39 | | 0 |
| Picton .. | b | 56 | 30 | | 0 |
| Sydney . | b | 59 | 46 | | 0 |
| Wentw'th | n | 88 | 35 | | 0 |
| Young . | n | 77 | 31 | | 0 |
| Woll'g'ng | b | 76 | 45 | | 0 |
| Taralga.. | b | 58 | 63 | | 0 |
| Hay .... | b | 62 | 37 | | 0 |

| Stations. | WT | M | X | Mn | R in |
|---|---|---|---|---|---|
| Queanbe'an | n | 64 | 31 | | 0 |
| Deniliquin. | b | 61 | 38 | | 0 |
| Moruya . | b | 63 | 41 | | 0 |
| Kiandra.. | f | 40 | 27 | | 0 |
| Albury ... | g | 62 | 39 | | 0 |
| Bodalla . | b | 70 | 66 | | 0 |
| Cooma ... | n | 59 | 23 | | 0 |
| Eden .... | b | 60 | 47 | | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l'n | 62 | 37 | 0 |
| Euston | b | 67 | 32 | 0 |
| G'lburn | b | 56 | 27 | 0 |
| Wagga. | b | 51 | 28 | 0 |
| C Geo' | b | 65 | 23 | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·05 on E. coast . For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 29 1883.

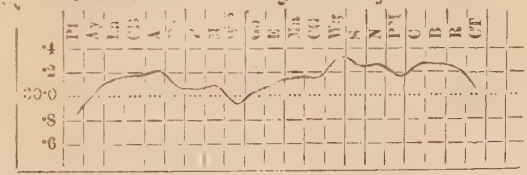
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | June 29 | 28·687 |

Barometers corrected to 32° Fah and Mean Sea Level

*Curve showing state of Barometer.*




| Stations. | WT | M,X | Mn. | R'in. |
|---|---|---|---|---|
| Queanbe'an | g | 49 | 32 | 0 |
| Deniliquin. | c | 61 | 40. | 0 |
| Moruya . | g | 67 | 44 | 0 |
| Kiandra .. | g | 38 | 27 | 0 |
| Albury ... | c | 65 | 41 | 0 |
| Bodalla . | g | 77 | 51 | 0 |
| Cooma ... | c | 60 | 20. | 0 |
| Eden .... | b | 62 | 55 | 0 |

| Stations. | WT | M,X | Mn. | R'in. |
|---|---|---|---|---|
| Narrabri . | b | 60 | 38 | 0 |
| Armidale. | n | 58 | | 0 |
| Beaulem'r | n | 58 | 29 | 0 |
| Gunned'h | b | 64 | — | 0 |
| C'n'mble | | — | — | — |
| Kempsey . | | — | — | — |
| Walcha. | b | 54 | 18 | 0 |
| Tamw'rth | | — | — | — |
| Coonab'n. | n | 67 | 29 | 0 |
| P. M'cquie | b | 64 | 43 | 0 |
| W'lcannia | | — | — | — |
| Murr'ndi. | n | 54 | 36 | 0 |
| Taree | b | 62 | 39 | 0 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | n | 59 | 34 | 0 |
| Dubbo . | f | 58 | 35 | 0 |
| Menindie. | b | 68 | 43 | 0 |
| Singleton | b | 57 | 35 | 0 |
| Nels'n's B' | b | 63 | 42 | 0 |
| Mudg | f | 68 | 28 | 0 |
| Maitland. | b | 55 | 37 | 0 |
| Hill End. | | — | — | — |
| N'weastle | b | 68 | 43 | 0 |
| Orange .. | b | 47 | 27 | 0 |
| Bathurst | n | 58 | 29 | 0 |
| Forbes .. | b | 55 | 31 | 0 |
| M.Vict'ria | b | 49 | 35 | 0 |
| Carcoar . | n | 47 | 30 | 0 |
| Cond'b'lin | | — | — | — |
| Marsdens | | — | — | — |
| Picton .. | c | 64 | 36 | 0 |
| Sydney . | b | 69 | 43 | 0 |
| Wentw'th | b | 66 | 40 | 0 |
| Young . | n | 75 | 30 | 0 |
| Woll'g'ng | c | 71 | 48 | 0 |
| Taralga.. | g | 57 | 33 | 0 |
| Hay .... | b | 63 | 40 | 0 |
| M'ss V'l | | 54 | 36 | 0 |
| Euston | b | 67 | 37 | 0 |
| G'lburn | g | 56 | 34 | 0 |
| Wagga. | b | 56 | 23 | 0 |
| C Geo' | b | 61 | 22 | 0 |

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·05 on E. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

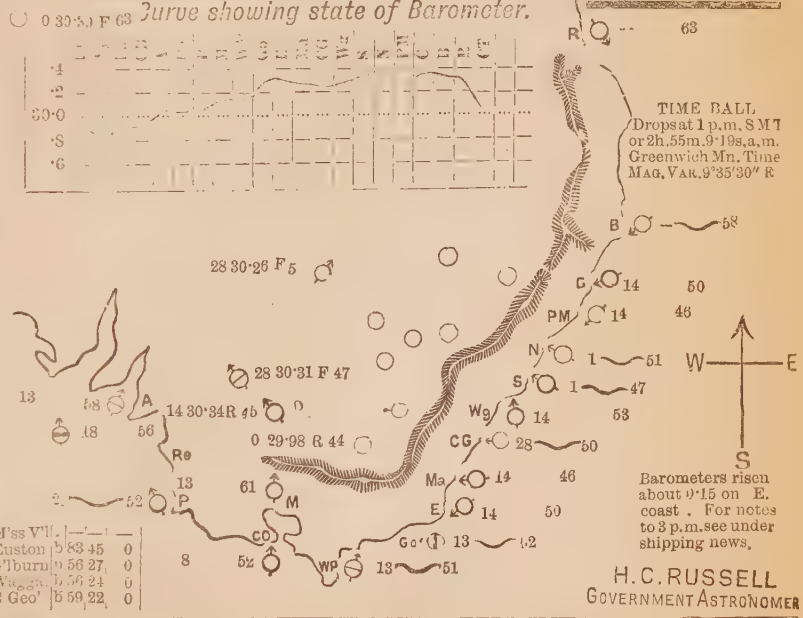
From TELEGRAMS for 9 A.M. & 3 P.M. JUNE 30 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .. .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to June 30 28·689
Barometers corrected to 32° Fah and Mean Sea Level

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Quean be'an | b | 54 | 35 | 0 |
| Deniliquin. | b | 63 | 39 | 0 |
| Moruya .. . | b | 64 | 43 | 0 |
| Kiandra .. | n | 40 | 25 | 0 |
| Albury ... | b | 58 | 37 | 0 |
| Bodalla .. | b | 69 | 27 | 0 |
| Cooma ... | n | 55 | 25 | 0 |
| Eden .... | b | 63 | 49 | 0 |




Barometers risen about 0·15 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations | W | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|
| Casino | b | 78 | 5 | 0 |
| Tent'rfield | n | [illegible] | [illegible] | [illegible] |
| Cl[illegible] | b | 56 | 53 | 0 |
| M[illegible] | b | 73 | [illegible] | 0 |
| G[illegible] | b | 73 | 41 | 0 |
| G[illegible] | . | | | |
| In[illegible] | b | 59 | 15 | 0 |
| [illegible] | n | [illegible] | [illegible] | 0 |
| N[illegible] | [illegible] | [illegible] | [illegible] | 0 |
| A[illegible] | n | 53 | [illegible] | 0 |
| B[illegible] | b | 58 | 21 | 0 |
| G[illegible] | . | — | — | — |
| C[illegible] | b | 63 | 30 | 0 |
| K[illegible] | . | — | — | — |
| Walcha.. | b | 54 | 16 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 67 | 28 | 0 |
| P. M'cqrie. | b | 64 | 41 | 0 |
| W'lca'nia | . | — | — | — |
| Murr'ndi . | n | 55 | 52 | 0 |
| Taree | n | 61 | 39 | 0 |
| Cassilis | b | 46 | 35 | 0 |
| Muss'br'k | b | 65 | 30 | 0 |
| Dubbo . | b | 58 | 31 | 0 |
| Menindie. | c | 71 | 45 | 0 |
| Singleton | b | 60 | 37 | 0 |
| Nels'n's B' | n | 84 | 41 | 0 |
| 13 60 Mudg | n | 68 | 26 | 0 |
| Maitland. | b | 58 | 36 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 67 | 45 | 0 |
| Orange .. | b | 46 | [illegible] | 0 |
| Bathurst | f | 55 | 26 | 0 |
| Forbes .. | b | 58 | 33 | 0 |
| M. Vict'ria | b | 51 | 35 | 0 |
| Carcoar . | b | 47 | 32 | 0 |
| Cond'b'liu | | — | — | — |
| Marsdens | n | [illegible] | 41 | 0 |
| Picton .. | b | [illegible] | [illegible] | 0 |
| Sydney . | b | [illegible] | [illegible] | 0 |
| Wentw'th | g | 72 | 44 | 0 |
| Young . | b | 72 | 34 | 0 |
| Wolf'g'ng | b | 69 | 45 | 0 |
| Taralga.. | b | 58 | 32 | 0 |
| Hay .... | b | 65 | 42 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | . | — | — | — |
| Euston | b | 83 | 45 | 0 |
| G'lburn | b | 56 | 27 | 0 |
| Wagga. | b | 56 | 24 | 0 |
| C Geo' | b | 59 | 22 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 2 1883.

Sydney Observatory.

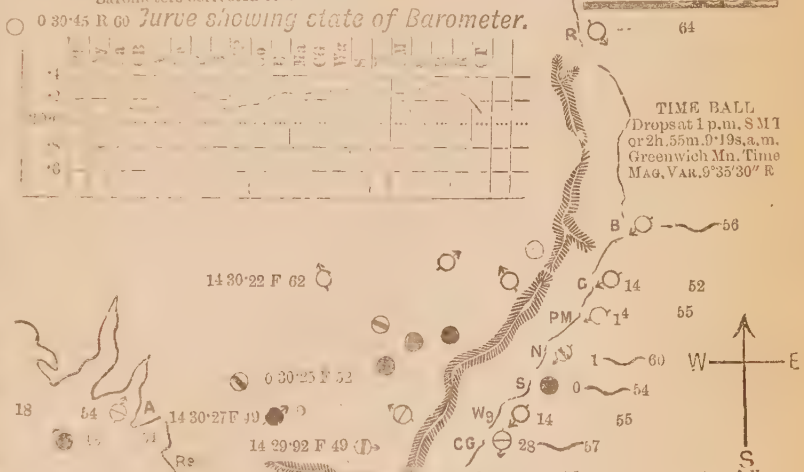
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 2 28·697
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Casino . | b | 78 | 23 | 0 |
| Tenterfield | n | 63 | 31 | 0 |
| Clarence . | b | 69 | 55 | 0 |
| Moree | | | | |
| Grafton | b | 76 | 46 | 0 |
| Gl'n Inn's | b | 6[illegible] | 31 | 0 |
| Inverell . | b | 6[illegible] | [illegible] | 0 |
| Bourke | | | | 0 |
| Narrabri . | b | [illegible] | 39 | 0 |
| Armidale. | b | | | 0 |
| Bendem'r | g | 58 | 34 | 0 |
| Gu[illegible] | c | | | |
| C'n'mble | b | 69 | 38 | 0 |
| Kempsey | | | | — |
| W[illegible] | | | | 0 |
| Tamw'rth' . | | | | |
| Coonab'n. | | 71 | 20 | 0 |
| P. M'cqrie | | 70 | [illegible] | 0 |
| W'l[illegible] | . | | | — |
| Murr'ndi . | c | 60 | 36 | |
| Taree | c | 70 | 60 | 0·04 |
| Cassilis | g | 49 | 38 | 0 |
| Muss'br'k | g | 64 | 38 | 0 |
| Dubbo . | g | 58 | 34 | 0 |
| Menindie. | c | 68 | 53 | 0 |
| Singleton | c | 60 | 47 | 0 |
| Nels'n's B. | c | 82 | 43 | 0 |
| S 62 | | | | |
| Mudg | g | [illegible] | [illegible] | [illegible]12 |
| Maitland. | g | 5[illegible] | [illegible] | [illegible] |
| Hill End. | . | — | | |
| N'wcastle | c | [illegible] | [illegible] | [illegible] |
| Orange .. | r | 49 | 43 | 1·32 |
| Bathurst | r | 59 | 29 | 0·15 |
| Forbes . | g | 59 | 36 | 0·30 |
| M. Vict'ria | r | 5[illegible] | [illegible] | [illegible] |
| Carcoar . | r | [illegible] | [illegible] | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | r | [illegible] | [illegible] | [illegible] |
| Picton .. | d | 54 | 46 | 0 |
| Sydney .. | d | [illegible] | [illegible] | 0·01 |
| Wentw'th | g | 68 | 50 | 0 |
| Young . | r | 79 | 40 | 0·18 |
| Woll'g'ng | g | 67 | 50 | 0 |
| Taralga.. | r | [illegible] | [illegible] | [illegible] |
| Hay .... | b | 65 | 48 | 0·3[illegible] |

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 51 | 31 | 0 |
| Deniliquin. | r | 64 | 45 | 0·05 |
| Moruya .. | g | 62 | 52 | 0 |
| Kiandra .. | f | 41 | 31 | 0·84 |
| Albury ... | g | 64 | 40 | 0·15 |
| Bodalla .. | g | 69 | 31 | 0 |
| Cooma .... | c | 61 | 35 | 0 |
| Eden .... | g | 60 | 48 | 0·02 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | p | 55 | 42 | 0·04 |
| Euston | g | 73 | 50 | 0 |
| G'lburn | g | 61 | 49 | 0·05 |
| Wagga | r | 59 | [illegible] | 0 |
| C Geo | g | 61 | 25 | 0 |




Barometers fallen about 0·03 on E. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JULY 3 1888.

Sydney Observatory.

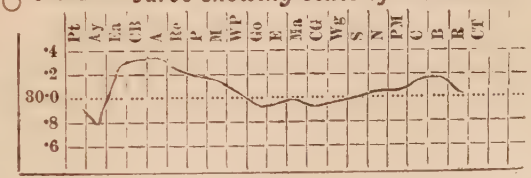
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 3 28·937
Barometers corrected to 32° Fah. and Mean Sea Level

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Casino | b | 79 | 40 | 0 |
| Tent'rfield | . | — | — | — |
| Clarence | b | 70 | 45 | 0 |
| Moree | b | 77 | — | 0 |
| Grafton | b | 76 | 46 | 0 |
| Gl'n Inn's | b | 65 | 39 | 0 |
| Inverell | b | 64 | 23 | 0 |
| Bourke | b | 78 | 53 | 0 |
| Narrabri | g | 70 | 48 | 0 |
| Armidale | g | 49 | | 0 |
| Bendem'r | g | 63 | 37 | 0 |
| Gunned'h | c | 75 | 48 | 0·02 |
| C'n'mble | g | 68 | 48 | 0 |
| Kempsey | . | — | — | — |
| Walcha | c | 60 | 53 | 0 |
| Tamw'rth | b | 64 | — | 0·04 |
| Coonab'n | b | 70 | 32 | 0 |
| P. M'cqrie | g | 68 | 52 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 63 | 47 | 0 |
| Taree | b | 68 | 50 | 0 |
| Cassilis | c | 60 | 39 | 0 |
| Muss'br'k | g | 68 | 47 | 0 |
| Dubbo | g | 64 | 37 | 0 |
| Menindie | b | 75 | 50 | 0 |
| Singleton | g | 55 | 44 | 0 |
| Nels'n's B | b | 79 | 35 | 0 |
| ♂ 8 55 Mudg | r | 70 | 43 | 0·21 |
| Maitland | b | 73 | 51 | 0·06 |
| Hill End | . | — | — | — |
| N'weastle | b | 66 | 53 | 0·03 |
| Orange | r | 52 | 44 | 0·66 |
| Bathurst | g | 54 | 46 | 0·37 |
| Forbes | c | 57 | 35 | 0·44 |
| M. Vict'ria | g | 52 | 43 | 0·15 |
| Carcoar | r | 53 | 46 | 1·26 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 60 | 40 | 0·40 |
| Picton | b | 56 | 45 | 0·54 |
| Sydney | c | 57 | 52 | 0·24 |
| Wentw'th | b | 58 | 46 | 0·21 |
| Young | g | 62 | 43 | 0·94 |
| Woll'g'ng | b | 64 | 52 | 0·13 |
| Taralga | g | 59 | 37 | 0·94 |
| Hay | b | 55 | 46 | 0·16 |
| M'ss V'l | b | 52 | 47 | 0·20 |
| Euston | c | 59 | 48 | 0 |
| G'lburn | g | 54 | 45 | 0·54 |
| Wagga | b | 58 | 38 | 0·43 |
| C Geo' | b | 61 | 29 | 0·15 |

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 43 | 0·42 |
| Deniliquin | g | 53 | 46 | 0·14 |
| Moruya | b | 50 | 48 | 0·22 |
| Kiandra | b | 45 | 32 | 2·82 |
| Albury | c | 68 | 46 | 0·80 |
| Bodalla | o | 57 | 38 | 0·38 |
| Cooma | p | 58 | 36 | 0·35 |
| Eden | . | — | — | — |

0 30·48 R 57 *Curve showing state of Barometer.*



TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers fallen about 0·30 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 4 1883.

Sydney Observatory.

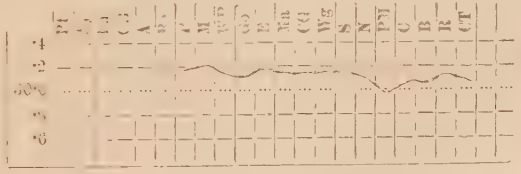
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

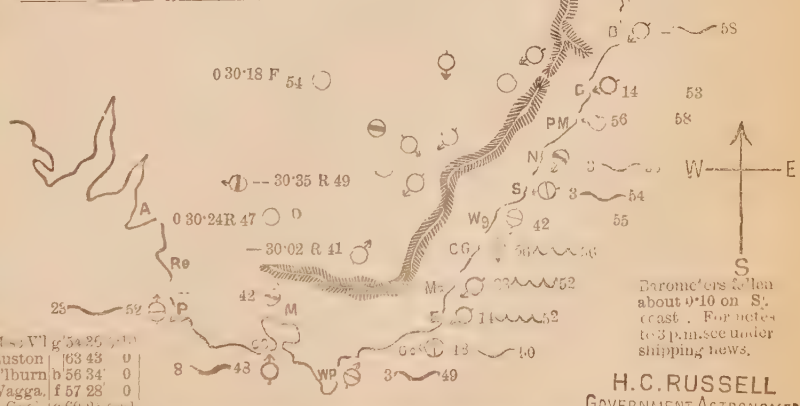
Average Annual Rainfall for 24 years .... .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 4 29·010
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 7[illegible] | 35 | 0 |
| Tent'rfield | b | 64 | 30 | 0 |
| Clarence . | b | 69 | 54 | 0 |
| Moree . | b | 76 | [illegible] | 0 |
| Grafton | b | 7[illegible] | 47 | 0 |
| Glen Inn's | b | 61 | 31 | 0 |
| Inverell. | b | [illegible] | [illegible] | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri . | b | [illegible] | [illegible] | 0 |
| Armidale. | g | 58 | [illegible] | 0·10 |
| Bendem'r | g | 61 | [illegible] | 0 |
| Gunned'h | c | 74 | [illegible] | 0 |
| C'n'mble | g | [illegible] | 41 | 0 |
| Kempsey | . | — | | — |
| Walcha.. | c | 56 | 31 | 0 |
| Tamw'rth | c | [illegible] | [illegible] | 0·03 |
| Coonab'n. | g | [illegible] | [illegible] | 0 |
| P. M'cqrie | g | 72 | [illegible] | 0 |
| W'lcannia | . | — | | — |
| Murr'ndi . | g | [illegible] | [illegible] | 0·08 |
| Taree. | g | 71 | [illegible] | 0·02 |
| Cassilis | b | [illegible] | [illegible] | 0 |
| Muss'br'k | b | 67 | 38 | [illegible] |
| Dubbo . | f | 58 | 42 | 0 |
| Menindie. | g | 65 | 47 | 0 |
| Singleton | b | 64 | 48 | 0 |
| Nels'n's B' | r | 83 | 52 | 1·10 |
| Mudg | . | 65 | 32 | 0 |
| Maitland. | g | 65 | 49 | 0·27 |
| Hill End. | . | | | — |
| N'wcastle | q | 69 | [illegible] | 0·52 |
| Orange . | b | 49 | 38 | 0·33 |
| [illegible] | b | 55 | 33 | 0·04 |
| [illegible] | [illegible] | 55 | 30 | 0 |
| M. Vict'ria | b | 49 | 39 | 0 |
| Carcoar . | b | 52 | 42 | 0 |
| Coud'b'lin | | | | — |
| Marsdens | b | [illegible] | [illegible] | [illegible] |
| Picton .. | b | [illegible] | [illegible] | [illegible] |
| Sydney .. | g | [illegible] | [illegible] | [illegible] |
| Wentw'th | g | [illegible] | [illegible] | [illegible] |
| Young . | b | 64 | 34 | 0 |
| Wolt'g'ng | c | 68 | 50 | 0 |
| [illegible] | g | 57 | 35 | 0 |
| [illegible] | f | 54 | 40 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an. | b | 53 | 38 | 0 |
| Deniliquin. | b | 58 | 33 | 0 |
| Moruya .. . | b | 67 | 49 | 0 |
| Kiandra .. | c | 47 | 29 | 0 |
| Albury ... | b | 64 | 30 | 0 |
| Bodalla . | b | 62 | 37 | 0 |
| Cooma .... | c | 50 | 33 | 0·03 |
| Eden .... . | b | 57 | 49 | 0·29 |

*Curve showing state of Barometer.*




Barometers fallen about 0·10 on S. coast. For notes to 3 p.m. see under shipping news.

| | | | |
|---|---|---|---|
| Miss V'l | g | 54 | 26 |
| Euston | | 63 | 43 |
| G'lburn | b | 56 | 34 |
| Wagga. | f | 57 | 28 |
| C Geo | c | 60 | 25 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 5 1883.

Sydney Observatory.

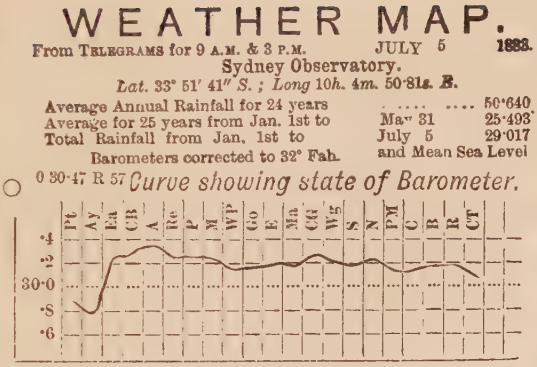
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

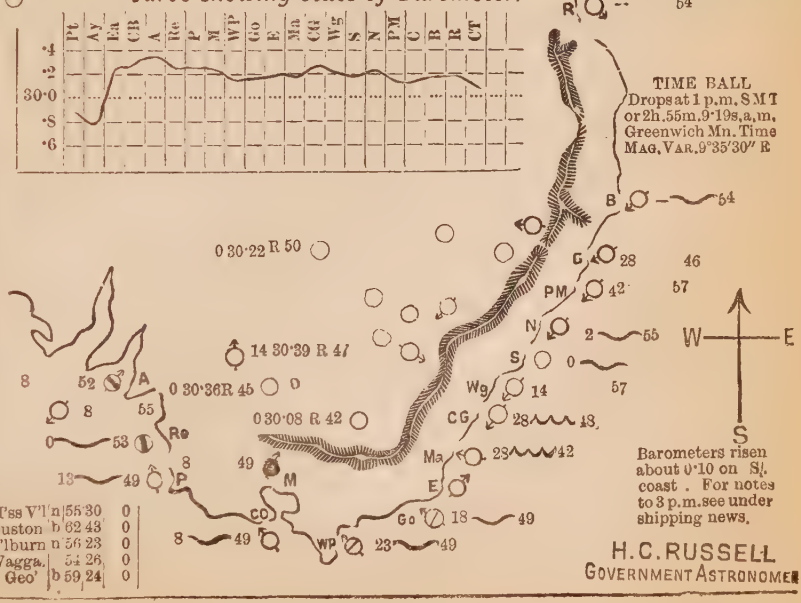
Average Annual Rainfall for 24 years . . . . . 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 5 29·017
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'A | M'n | R'in |
|---|---|---|---|---|
| Casino . | b | 75 35 | | 0 |
| Tent'rfield | b | 62 2- | | 0 |
| Clarence . | b | 69 57 | | 0 |
| Moree . | b | 73 — | | 0 |
| Grafton | b | 76 46 | | 0 |
| Gl n Inn's | b | 57 25 | | 0 |
| Juverell. | b | 46 29 | | 0 |
| Bourke | n | 62 13 | | 0 |
| Narrabri . | b | 67 38 | | 0 |
| Armidale. | n | 53 | | 0 |
| Bendem'r | b | 56 26 | | 0 |
| Gunned'h | c | 72 37 | | 0 |
| C'n'mble | b | 6- 33 | | 0 |
| Kempsey . | | — | | — |
| Walcha.. | b | 52 22 | | 0 |
| Tamw'rth | | — | | — |
| Coonab'n. | b | 61 23 | | 0 |
| P. M'cqrie | b | 65 54 | | 0 |
| W'lcannia | | — | | — |
| Murr'ndi. | b | 56 40 | | 0 |
| Taree . | g | 63 52 | | 0 |
| Cassilis | b | 56 33 | | 0 |
| Muss'br'k | b | 64 34 | | 0 |
| Dubbo . | b | 59 37 | | 0 |
| Menindie. | b | 64 44 | | 0 |
| Singleton | b | 61 44 | | 0 |
| Nels'n's R. | b | 72 47 | | 0 |
| 28 57 | | | | |
| Mudg | b | 72 29 | | 0 |
| Maitland. | b | 61 46 | | 0 |
| Hill End. | | — | | — |
| N'wcastle | n | 65 -0 | | 0 |
| Orange .. | n | 49 30 | | 0 |
| Bathurst | b | 58 26 | | 0 |
| Forbes .. | b | 54 35 | | 0 |
| M. Vict'ria | n | 46 35 | | 0 |
| Carcoar . | b | 52 54 | | 0 |
| Cond'b'lin | | — | | — |
| Marsdens | n | 69 40 | | 0 |
| Picton .. | b | 59 38 | | 0 |
| Sydney .. | b | 60 47 | | 0·01 |
| Wentw'th | b | 62 42 | | 0 |
| Young . | b | 77 32 | | 0 |
| Woll'g'ng | b | 67 43 | | 0 |
| Taralga.. | u | 55 33 | | 0 |
| Hay .. .. | f | 60 40 | | 0 |

| Stations. | WT | M'A | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 34 | | 0 |
| Deniliquin. | b | 59 35 | | 0 |
| Moruya .. .. | b | 62 40 | | 0 |
| Kiandra.. | b | 50 14 | | 0 |
| Albury ... | b | 60 35 | | 0 |
| Bodalla.. | n | 62 37 | | 0 |
| Cooma .... | f | 59 27 | | 0 |
| Eden .. .. .. | b | 60 58 | | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l'n | b | 55 30 | | 0 |
| Euston | b | 62 43 | | 0 |
| G'lburn | n | 56 23 | | 0 |
| Wagga. | | 54 26 | | 0 |
| C Geo' | b | 59 24 | | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 6 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

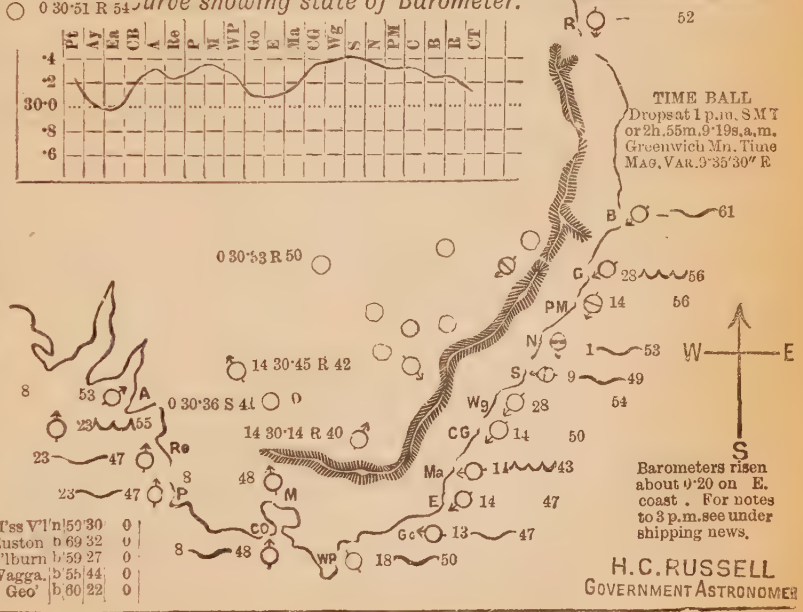
Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 6 29·046
Barometers corrected to 32° Fah. and Mean Sea Level

*Curve showing state of Barometer.*




| STATIONS. | wt | M'x | m'n | r'n |
|---|---|---|---|---|
| Casino . | b | 78 | 38 | 0 |
| Tent'rfield | g | 64 | 28 | 0 |
| Clarence . | b | 69 | 37 | 0 |
| Moree . | b | 77 | — | 0 |
| Grafton . | b | 73 | 45 | 0 |
| Gl n Inn's | g | 59 | 34 | 0 |
| Inverell. . | b | 64 | 23 | 0 |
| Bourke . | n | 66 | 42 | 0 |
| Narrabri . | c | 58 | 37 | 0 |
| Armidale. | g | 53 | — | 0 |
| Bendem'r | c | 55 | 31 | 0 |
| Gunned'h | b | 70 | 39 | 0 |
| C'n'mble | b | 61 | 33 | 0 |
| Kempsey . | . | — | — | — |
| Walcha.. | c | 59 | 29 | 0 |
| Tamw'rth | b | 69 | — | 0 |
| Coonab'n. | b | 60 | 42 | 0 |
| P. M'cqrie | c | 65 | 54 | 0·17 |
| W'leannia . | . | — | — | — |
| Murr'ndi. | g | 56 | 40 | 0 |
| Taree.. | g | 64 | 53 | 0·04 |
| Cassilis | b | 55 | 30 | 0 |
| Muss'br'k | b | 62 | 35 | 0 |
| Dubbo . | b | 57 | 36 | 0 |
| Menindie. | b | 68 | 47 | 0 |
| Singleton | b | 61 | 42 | 0 |
| Nels'n's B. | c | 62 | 52 | 0·10 |
| 28 66 | | | | |
| Mudg | n | 72 | 28 | 0 |
| Maitland. | c | 62 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 66 | 51 | 0·03 |
| Orange .. | n | 46 | 30 | 0 |
| Bathurst | n | 58 | 26 | 0 |
| Forbes .. | b | 55 | 38 | 0 |
| M.Vict'ria | o | 47 | 34 | 0 |
| Carcoar . | n | 46 | 32 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | n | 60 | 40 | 0 |
| Picton .. | b | 59 | 34 | 0 |
| Sydney .. | c | 61 | 48 | 0·03 |
| Wentw'th | b | 64 | 37 | 0 |
| Young . | n | 75 | 32 | 0 |
| Woll'g'ng | c | 68 | 42 | 0 |
| Taralga.. | f | 60 | 36 | 0 |
| Hay .... | b | 60 | 40 | 0 |

| Stations. | WT | M,X | m | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 47 | 32 | 0 |
| Deniliquin. | b | 58 | 33 | 0 |
| Moruya .... | b | 62 | 40 | 0 |
| Kiandra.. | b | 51 | 14 | 0 |
| Albury ... | f | 60 | 31 | 0 |
| Bodalla.. | b | 67 | 28 | 0 |
| Cooma .... | c | 52 | 27 | 0 |
| Eden ..... | b | 56 | 42 | 0 |




Barometers risen about 0·20 on E. coast . For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JULY 7 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | ..... | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 7 | 29·046 |

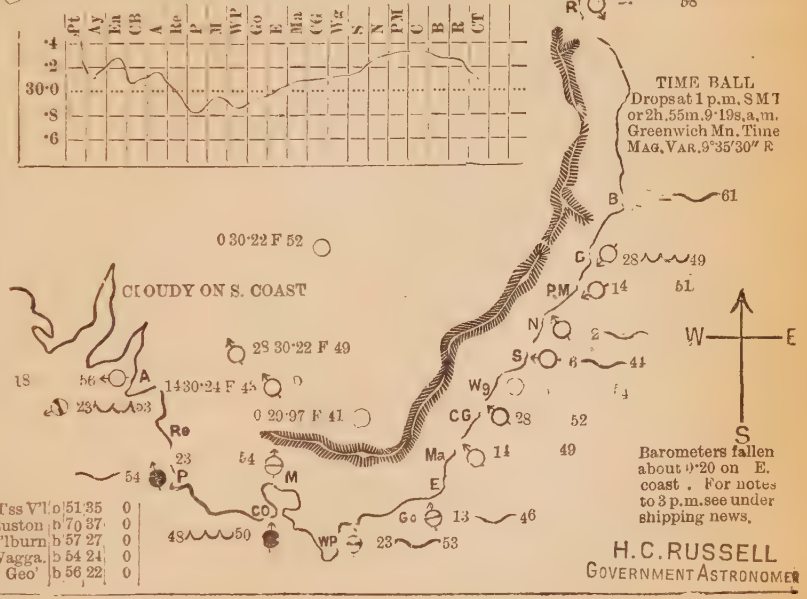
Barometers corrected to 32° Fah. and Mean Sea Level

0 30·45 S 54 *Curve showing state of Barometer.*




| Stations. | WT | M.X | Mn | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 46 30 | | 0 |
| Deniliquin. | b | 60 36 | | 0 |
| Moruya .. | b | 60 38 | | 0 |
| Kiandra .. | b | 43 20 | | 0 |
| Albury ... | c | 61 33 | | 0 |
| Bodalla .. | o | 65 24 | | 0 |
| Cooma .... | n | 54 23 | | 0 |
| Eden .... | b | | | 0 |

| Stations. | wt | M.X | Mn | R'fall |
|---|---|---|---|---|
| Casino . | b | 75 | 57 | 0 |
| Tent'rfield | b | 68 | 2 | 0 |
| Clarence . | n | 68 | 31 | 0 |
| Moree .. | b | 75 | — | 0 |
| Grafton | b | 70 | 47 | 0 |
| Gl'n Inn's | n | 58 | 28 | 0 |
| Inverell. | . | — | — | — |
| Bourke | o | 68 | 40 | 0 |
| Narrabri . | b | 58 | 28 | 0 |
| Armidale. | b | 52 | | 0 |
| Bendem'r | n | 58 | 27 | 0 |
| Gunned'h | b | 72 | 39 | 0 |
| C'n'mble | b | 63 | 34 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 53 | 24 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 64 | 23 | 0 |
| P. M'cquie | b | 66 | 48 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 57 | 37 | 0 |
| Taree.. | b | 65 | 43 | 0·13 |
| Cassilis | b | 57 | 38 | 0 |
| Muss'br'k | b | 67 | 34 | 0 |
| Dubbo . | b | 57 | 36 | 0 |
| Menindie. | o | 67 | 43 | 0 |
| Singleton | b | 62 | 40 | 0 |
| Nels'n's B' | b | 82 | 45 | 0 |
| 8 52 | | | | |
| Mudg | f | 72 | 3 | 0 |
| Maitland. | b | 63 | 44 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | o | 67 | 47 | 0 |
| Orange .. | n | 46 | 28 | 0 |
| Bathurst | n | 60 | 27 | 0 |
| Forbes .. | b | 53 | 38 | 0 |
| M.Vict'ria | b | 49 | 36 | 0 |
| Carcoar . | n | 56 | 32 | 0 |
| Cond'blin | . | | | — |
| Marsdens | b | 62 | 41 | 0 |
| Picton .. | o | 58 | 32 | 0 |
| Sydney .. | f | 61 | 44 | 0 |
| Wentw'th | b | 68 | 41 | 0 |
| Young . | n | 76 | 51 | 0 |
| Woll'g'ng | b | 68 | 43 | 0 |
| Taralga.. | b | 62 | 37 | 0 |
| Hay .... | b | 64 | 40 | 0 |
| M'ss V'l'o | b | 51 | 35 | 0 |
| Euston | b | 70 | 37 | 0 |
| G'lburn | b | 57 | 27 | 0 |
| Wagga. | b | 54 | 24 | 0 |
| C Geo' | b | 56 | 22 | 0 |




Barometers fallen about 0·20 on E. coast . For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 9 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 9 | 29·046 |

Barometers corrected to 32° Fah and Mean Sea Level

8 30 56 R 48 *Curve showing state of Barometer.*

| STATIONS. | WT | M'X | R'in |
|---|---|---|---|
| Casino .. | b | 74 35 | 0 |
| Tent'rfield | b | 52 24 | 0 |
| Clarence . | b | 69 54 | 0 |
| Moree .. | b | 71 — | 0 |
| Grafton | b | 75 47 | 0 |
| Glen Inn's | b | 58 28 | 0 |
| Inverell. | g | 63 25 | 0 |
| Bourke | g | 70 46 | 0 |
| Narrabri . | g | 70 30 | 0 |
| Armidale. | g | 54 — | 0 |
| Beudem'r | g | 58 34 | 0 |
| Gunned'h | g | 71 46 | 0 |
| C'n'mble | c | 66 45 | 0 |
| Kempsey | . | — — | — |
| Waleha.. | c | 54 33 | 0 |
| Tamw'rth | . | — — | — |
| Coonab'n. | p | 63 32 | 0·02 |
| P. M'eqrie | b | 66 45 | 0 |
| W'leannia | . | — — | — |
| Murr'ndi . | g | 58 40 | 0 |
| Taree | b | 67 41 | 0 |
| Cassilis | g | 57 38 | 0 |
| Muss'br'k | o | 65 40 | 0 |
| Dubbo . | g | 56 43 | 0 |
| Menindie. | . | — — | — |
| Singleton | b | 62 45 | 0 |
| Nels'n's R | b | 76 42 | 0 |
| 8 56 | | | |
| Mudg | p | 65 29 | 0 |
| Maitland. | b | 63 45 | 0 |
| Hill End. | . | — — | — |
| N'wcastle | o | 69 47 | 0 |
| Orange .. | . | — | — |
| Bathurst | b | 58 30 | 0·10 |
| Forbes .. | g | 74 34 | 0 |
| M.Vict'ria | s | 50 33 | 0·13 |
| Carcoar . | s | 56 35 | 0·45 |
| Cond'b'lin | . | — — | — |
| Marsdens | c | 62 41 | 0·26 |
| Picton .. | q | 66 37 | 0 |
| Sydney . | s | 64 49 | 0 |
| Wentw'th | b | 58 41 | 0·06 |
| Young . | r | 68 39 | 0 55 |
| Woll'gng | c | 76 46 | 0 |
| Taralga.. | s | 59 30 | 0·23 |
| Hay .... | b | 2 39 | 0·15 |

| | | | |
|---|---|---|---|
| M'ss V'l | g | 52 32 | 0 |
| Euston | b | 52 40 | 0·17 |
| G'lburn | g | 56 32 | 0·33 |
| Wagga. | g | 58 28 | 0·25 |
| C Geo' | c | 60 21 | 0·05 |

| Stations. | WT | M.X | M0 | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 53 30 | 0·55 | |
| Deniliquin. | b | 62 37 | 0·17 | |
| Moruya . | g | 67 44 | 0 | |
| Kiandra.. | s | 45 20 | 0 | |
| Albury ... | s | 62 33 | 0·30 | |
| Bodalla . | g | 70 24 | 0 | |
| Cooma . . | r | 55 33 | 0·05 | |
| Eden .... | b | 59 44 | 0 | |

R 56

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

B 60

C 42 54

PM 56 55

N 3 51

S 24 51

Wg 56 49

CG 56 49

Ma 14 50

E 28 49

Go 28 46

WP 34 46

— 30·02 F 48

CLOUDY GENERALLY

28 30·15 F 42

8 47 A 28 29·88 F 42

60 30·02 R 45

34 47 Re

34 48 P 23 49 M

34 44 CO

34 47

Barometers fallen abou. 0·60 on E. coast . For note to 3 p.m. see under shipping news

N E S

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 10 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years . . . 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 10 29·046
Barometers corrected to 32° Fah. and Mean Sea Level

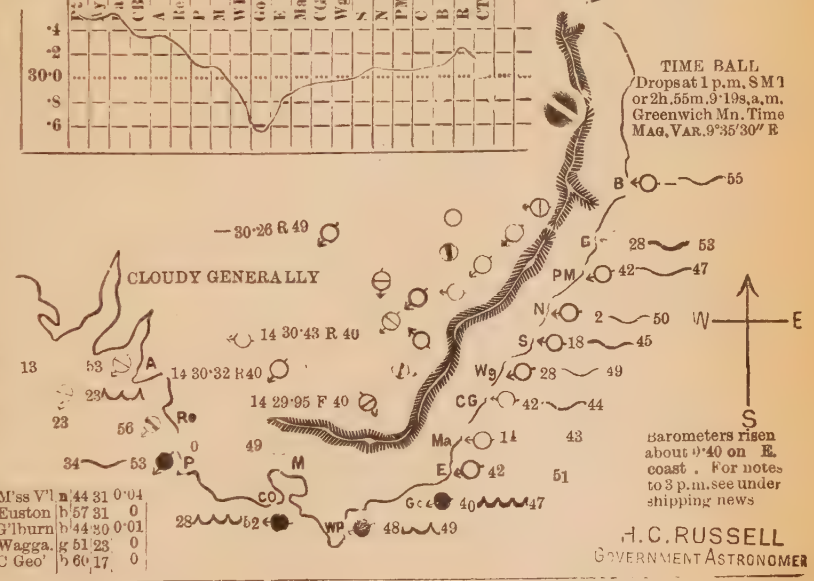
*Curve showing state of Barometer.*




| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 68 | 28 | 0 |
| Tent'rfield | g | 52 | 38 | 0 |
| Clarence . | . | — | — | — |
| Moree . | b | 59 | — | 0 |
| Grafton | b | 67 | 40 | 0 |
| Gl n Inn's | b | 43 | 30 | 0 |
| Inverell. | c | 64 | 28 | 0 |
| Bourke | n | 69 | 39 | 0 |
| Narrabri . | b | 59 | 32 | 0 |
| Armidale. | b | 45 | | 0 |
| Bendem'r | g | 46 | 33 | 0 |
| Gunned'h | c | 68 | 38 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | c | 40 | 30 | 0·04 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 50 | 33 | 0 |
| P. M'cqrie | o | 61 | 41 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi . | c | 49 | 36 | 0 |
| Taree. | b | 66 | 41 | 0 |
| Cassilis | n | 48 | 29 | 0 |
| Muss'br'k | b | 58 | 37 | 0 |
| Dubbo . | g | 56 | 39 | 0 |
| Menindie. | b | 57 | 39 | 0 |
| Singleton | n | 47 | 42 | 0 |
| Nels n's B' | b | 74 | 41 | 0 |
| 0 56 Mudg | b | 60 | 34 | 0 |
| Maitland. | o | 51 | 40 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 61 | 39 | 0 |
| Orange .. | b | 38 | 31 | 0 |
| Bathurst | g | 43 | 33 | 0·03 |
| Forbes .. | . | — | — | — |
| M. Vict'ria | o | 37 | 28 | 0 |
| Carcoar . | g | 42 | 34 | 0·25 |
| Coud'b'liu | . | — | — | — |
| Marsdens | c | 50 | 39 | 0 |
| Picton .. | c | 54 | 39 | 0 |
| Sydney .. | b | 57 | 43 | 0 |
| Wentw'th | o | 56 | 36 | 0 |
| Young . | g | 68 | 34 | 0·03 |
| Woll'g'ng | b | 69 | 46 | 0 |
| Taralga.. | . | — | — | — |
| Hay .... | b | 51 | 35 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | n | 44 | 31 | 0·04 |
| Euston | b | 57 | 31 | 0 |
| G'lburn | b | 44 | 30 | 0·01 |
| Wagga. | g | 51 | 23 | 0 |
| C Geo' | b | 60 | 17 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 48 | 39 | 0 |
| Deniliquin. | o | 54 | 34 | 0 |
| Moruya . | b | 63 | 39 | 0 |
| Kiandra.. | n | 42 | 20 | 0 |
| Albury .. | g | 62 | 31 | 0 |
| Bodalla . | b | 61 | 30 | 0 |
| Cooma . . | n | 40 | 30 | 0·15 |
| Eden .... | b | 53 | 49 | 0·22 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... ... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 11 29·046
Barometers corrected to 32° Fah. and Mean Sea Level

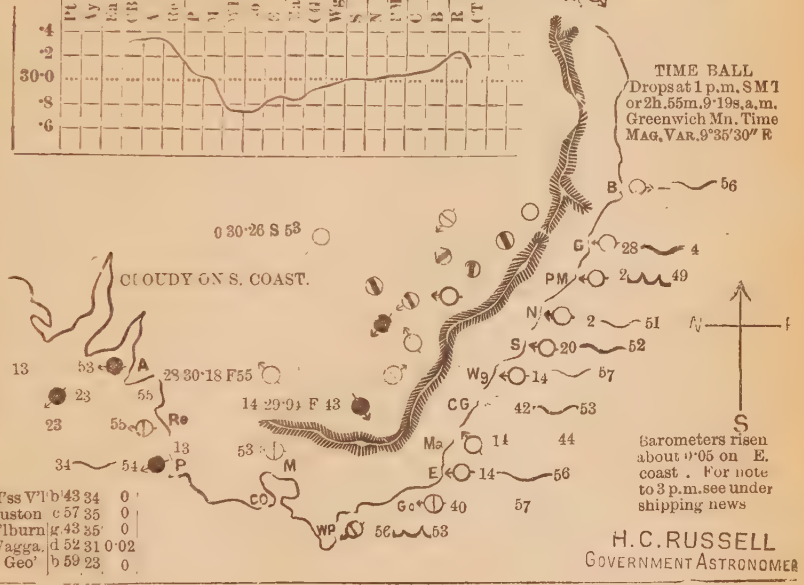
S 30 66 R 45 *Curve showing state of Barom...*




| STATIONS. | WT | M | MN | R'FALL |
|---|---|---|---|---|
| Casino | b | 65 | 2s | 0 |
| Tent'rfield | b | 48 | 27 | 0 |
| Clarence | b | 65 | 48 | 0 |
| Moree | b | 61 | — | 0 |
| Grafton | n | 67 | 47 | 0 |
| Glen Inn's | b | 45 | 28 | 0 |
| Inverell. | b | 64 | 25 | 0 |
| Bourke | o | 70 | 44 | 0 |
| Narrabri | g | 58 | 32 | 0 |
| Armidale. | g | 42 | — | 0 |
| Bendem'r | g | 45 | 25 | 0 |
| Gunned'h | g | 60 | 42 | 0 |
| C'n'mble | b | 64 | 46 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 41 | 32 | 0 |
| Tamw'rth | c | 50 | — | 0 |
| Coonab'n. | b | 50 | 32 | 0 |
| P. M'equrie | n | 64 | 42 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 49 | 37 | 0 |
| Taree | b | 59 | 41 | 0 |
| Cassilis | g | 58 | 40 | 0 |
| Muss'br'k | g | 61 | 38 | 0 |
| Dubbo | g | 57 | 37 | 0 |
| Menindie. | b | 60 | 39 | 0 |
| Singleton | n | 51 | 45 | 0 |
| Nels'n's P. | b | 76 | 43 | 0 |
| Mudg | g | 58 | 37 | 0 |
| Maitland. | n | 55 | 43 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 61 | 44 | 0 |
| Orange | g | 40 | 32 | 0·36 |
| Bathurst | g | 42 | 35 | 0 |
| Forbes | c | 60 | 30 | 0 |
| M. Vict'ria | o | 39 | 20 | 0 |
| Carcoar | g | 42 | 35 | 0·08 |
| Cond'b'lin | . | — | — | — |
| Marsdens | p | 50 | 39 | 0·04 |
| Picton | q | 53 | 40 | 0 |
| Sydney | b | 56 | 46 | 0 |
| Wentw'th | . | — | — | — |
| Young | d | 67 | 36 | 0·04 |
| Woll'g'ng | o | 67 | 47 | 0 |
| Taralga.. | c | 51 | — | 0 |
| Hay .... | g | 53 | 46 | 0 |

| Stations. | WT | M | MN | R'FALL |
|---|---|---|---|---|
| Queanbe'an | b | 45 | 33 | 0 |
| Deniliquin. | o | 55 | 25 | 0 |
| Moruya | b | 61 | 39 | 0 |
| Kiandra.. | f | 42 | 22 | 0 |
| Albury ... | d | 50 | 38 | 0·02 |
| Bodalla.. | g | 63 | 24 | 0 |
| Cooma .... | n | 54 | 27 | 0 |
| Eden .... | b | 56 | 50 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l'y | b | 43 34 | 0 |
| Euston | c | 57 35 | 0 |
| G'lburn | g | 43 35 | 0 |
| Wagga. | d | 52 31 | 0·02 |
| C Geo' | b | 59 23 | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 12 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *B.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 12 | 29·046 |

Barometers corrected to 32° Fah and Mean Sea Level

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 71 | 39 | 0 |
| Tent'rfield | n | 54 | 23 | 0 |
| Clarence . | b | 65 | 48 | 0 |
| Moree .. | b | 63 | - | 0 |
| Grafton | b | 72 | 39 | 0 |
| Gl'n Inn's | b | 54 | 24 | 0 |
| Inverell. | b | 60 | 18 | 0 |
| Bourke | c | 69 | 41 | 0 |
| Narrabri . | g | 60 | 38 | 0 |
| Armidale. | c | 48 | | 0 |
| Bendem'r | g | 50 | 38 | 0 |
| Gunned'h | . | | - | — |
| C'n'mble | b | 57 | 46 | 0 |
| Kempsey | . | — | — | . |
| Walcha.. | c | 45 | 36 | 0 |
| Tamw'rth | b | 54 | 49 | 0 |
| Coonab'n. | b | 55 | 40 | 0 |
| P. M'cqrie | b | 66 | 43 | 0 |
| W'lcannia | . | - | - | - |
| Murr'ndi . | g | 52 | 42 | 0 |
| Taree | b | 66 | 39 | 0 |
| Cassilis | g | 52 | 42 | 0 |
| Muss'br'k | g | 64 | 43 | 0 |
| Dubbo . | g | 58 | 35 | 0 |
| Menindie. | g | 60 | 52 | 0 |
| Singleton | b | 60 | 48 | 0 |
| Nels'n's B' | b | 82 | 48 | 0 |
| 23 Mudg | g | 53 | 40 | 0 |
| Maitland. | b | 58 | 47 | 0 |
| Hill End. | . | — | — | -- |
| N'wcastle | b | 65 | 47 | 0 |
| Orange .. | g | 43 | 38 | 0 |
| Bathurst | g | 49 | 41 | 0 |
| Forbes .. | g | 55 | 33 | 0 |
| M. Vict'ria | b | 44 | 30 | 0 |
| Carcoar . | g | 45 | 38 | 0·07 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 54 | 46 | 0 |
| Picton .. | b | 61 | 38 | 0 |
| Sydney .. | b | 63 | 46 | 0 |
| Wentw'th | g | 60 | 30 | 0 |
| Young . | g | 67 | 42 | 0·07 |
| Woll'g'ng | b | 74 | 48 | 0 |
| Taralga.. | g | 57 | — | 0 |
| Hay .... | c | 57 | 47 | 0·28 |
| M'ss V'l | b | 51 | 40 | 0 |
| Euston | g | 59 | 45 | 0 |
| G'lburn | b | 49 | 38 | 0 |
| Wagga. | g | 53 | 33 | 0·05 |
| C Geo' | b | 64 | 24 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 49 | 38 | 0 |
| Deniliquin. | b | 57 | 45 | 0 |
| Moruya .. | b | 67 | 41 | 0 |
| Kiandra.. | n | 47 | 22 | 1·24 |
| Albury ... | d | 59 | 40 | 0 |
| Bodalla.. | b | 73 | 22 | 0 |
| Cooma ... | n | 60 | 25 | 0 |
| Eden .... | b | 62 | 45 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 12 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

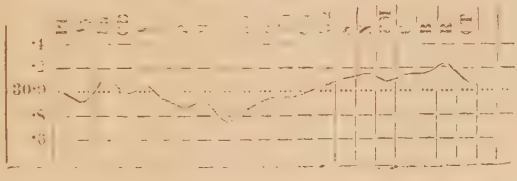
| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... ... | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 12 | 29·046 |

Barometers corrected to 32° Fah and Mean Sea Level

| STATIONS. | wt | g'n | v | g'in |
|---|---|---|---|---|
| Casino .. | b | 71 | 39 | 0 |
| Tent'rfield | n | 54 | 23 | 0 |
| Clarence . | b | 65 | 48 | 0 |
| Moree .. | b | 63 | — | 0 |
| Grafton | b | 72 | 39 | 0 |
| Glen Inn's | b | 54 | 24 | 0 |
| Inverell. | b | 60 | 18 | 0 |
| Bourke | c | 69 | 41 | 0 |
| Narrabri. | g | 66 | 38 | 0 |
| Armidale. | c | 48 | — | 0 |
| Bendem'r | g | 50 | 38 | 0 |
| Gunned'h. | . | — | — | |
| C'n'mble | o | 57 | 50 | 0 |
| Kempsey | . | — | — | |
| Walcha.. | c | 43 | 36 | 0 |
| Tamw'rth | b | 54 | 49 | 0 |
| Coonab'n. | b | 55 | 40 | 0 |
| P. M'eqrie | o | 66 | 48 | 0 |
| W'lcannia | . | — | — | |
| Murr'ndi. | g | 52 | 42 | 0 |
| Taree. | b | 66 | 39 | 0 |
| Cassilis | g | 52 | 42 | 0 |
| Muss'br'k | g | 64 | 43 | 0 |
| Dubbo . | g | 58 | 35 | 0 |
| Menindie. | g | 60 | 52 | 0 |
| Singleton | o | 66 | 48 | 0 |
| Nels'n's B | b | 82 | 48 | 0 |
| Mudg | g | 53 | 40 | 0 |
| Maitland. | o | 98 | 47 | 0 |
| Hill End. | . | — | — | |
| N'wcastle | b | 68 | 47 | 0 |
| Orange .. | g | 43 | 38 | 0 |
| Bathurst | g | 49 | 41 | 0 |
| Forbes .. | g | 55 | 33 | 0 |
| M.Viet'ria | o | 44 | 50 | 0 |
| Carcoar . | g | 45 | 38 | 0·07 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 54 | 46 | 0 |
| Picton .. | b | 61 | 28 | 0 |
| Sydney .. | b | 63 | 46 | 0 |
| Wentw'th | g | 60 | 39 | 0 |
| Young . | g | 67 | 42 | 0·07 |
| Woll'g'ng | o | 74 | 48 | 0 |
| Taralga.. | g | 57 | — | 0 |
| Hay .... | c | 57 | 47 | 0·28 |

| Stations. | WT | M, X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 49 | 38 | 0 |
| Deniliquin. | b | 57 | 45 | 0 |
| Moruya .. . | b | 67 | 41 | 0 |
| Kiandra... | n | 47 | 22 | 1·24 |
| Albury ... | d | 59 | 40 | 0 |
| Bodalla.. | b | 73 | 22 | 0 |
| Cooma ... | n | 69 | 25 | 0 |
| Eden .... | b | 62 | 45 | 0 |

0 30·55 F 40 *Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·10s,a,m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E

0 30·23 F 47

CLOUDY ON S. COAST.

1 8 30·29 — 53

0 30·22 R 52

0 29·95 R 56

Barometers risen about 0·10 on E. coast . For notes to 3 p.m. see under shipping news

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. JULY 13 1888.

Sydney Observatory.

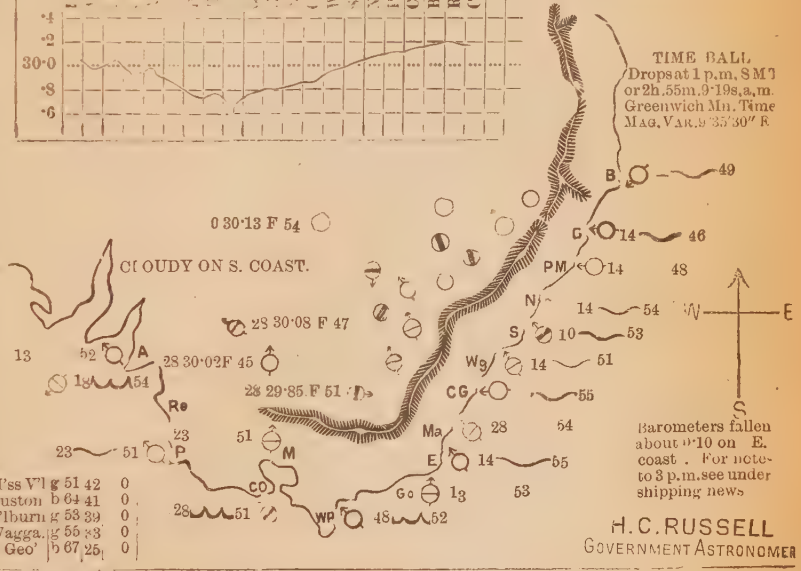
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 13 29·046
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 70 | 39 | 0 |
| Tent'rfield | b | 50 | 24 | 0 |
| Clarence . | b | 67 | 50 | 0 |
| Moree . | b | 69 | | 0 |
| Grafton | b | 73 | 43 | 0 |
| Gl'n Inn's | n | 60 | 25 | 0 |
| Inverell. | n | 59 | 16 | 0 |
| Bourke | b | 65 | 40 | 0 |
| Narrabri . | c | 61 | 32 | 0 |
| Armidale. | n | 54 | | 0 |
| Bendem'r | c | 53 | 26 | 0 |
| Gunned'h | b | 66 | 37 | 0 |
| C'n'mble | b | 59 | 31 | 0 |
| Kempsey | . | — | — | - |
| Walcha.. | b | 54 | 15 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | n | 62 | 25 | 0 |
| P. M'cqrie | b | 66 | 43 | 0 |
| W'leannia | . | — | — | |
| Murr'ndi . | g | 54 | 44 | 0 |
| Taree. | b | 65 | 39 | 0 |
| Cassilis | c | 58 | 36 | 0 |
| Muss'br'k | b | 62 | 39 | 0 |
| Dubbo . | g | 59 | 40 | 0 |
| Menindie. | b | 65 | 40 | 0 |
| Singleton | b | 60 | 47 | 0 |
| Nels'n's B. | b | 84 | 44 | 0 |
| [illegible] S 57 | | | | |
| [illegible] Mudg | g | 68 | 39 | 0 |
| Maitland. | b | 59 | 46 | 0 |
| Hill End. | . | — | — | .. |
| N'wcastle | b | 65 | 45 | 0 |
| Orange .. | b | 46 | 40 | 0 |
| Bathurst | g | 51 | 44 | 0 |
| Forbes .. | g | 54 | 33 | 0 |
| M. Vict'ria | g | 46 | 37 | 0 |
| Carcoar . | g | 49 | 42 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 55 | 50 | 0 |
| Picton .. | g | 60 | 38 | 0 |
| Sydney .. | c | 61 | 48 | 0 |
| Wentw'th | g | 61 | 44 | 0 |
| Young . | g | 67 | 44 | 0·01 |
| Woll'g'ng | g | 70 | 43 | 0 |
| Taralga.. | g | 50 | — | 0 |
| Hay .... | b | 51 | 40 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 51 | 42 | 0 |
| Euston | b | 64 | 41 | 0 |
| G'lburn | g | 53 | 39 | 0 |
| Wagga. | g | 55 | 33 | 0 |
| C Geo' | b | 67 | 25 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 53 | 42 | 0 |
| Deniliquin. | b | 57 | 41 | 0 |
| Moruya . | g | 68 | 44 | 0 |
| Kiandra | c | 44 | 20 | 0·33 |
| Albury .. | g | 55 | 45 | 0·05 |
| Bodalla . | g | 73 | 28 | 0 |
| Cooma . . | c | 56 | 39 | 0 |
| Eden .... | b | 61 | 46 | 0 |




Barometers fallen about 0·10 on E. coast. For note to 3 p.m. see under shipping news

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 14 1883.

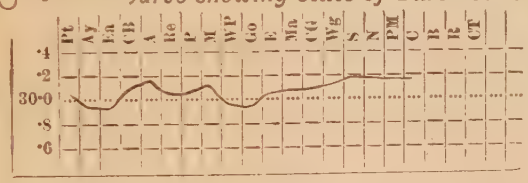
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... .... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 14 29·046
and Mean Sea Level

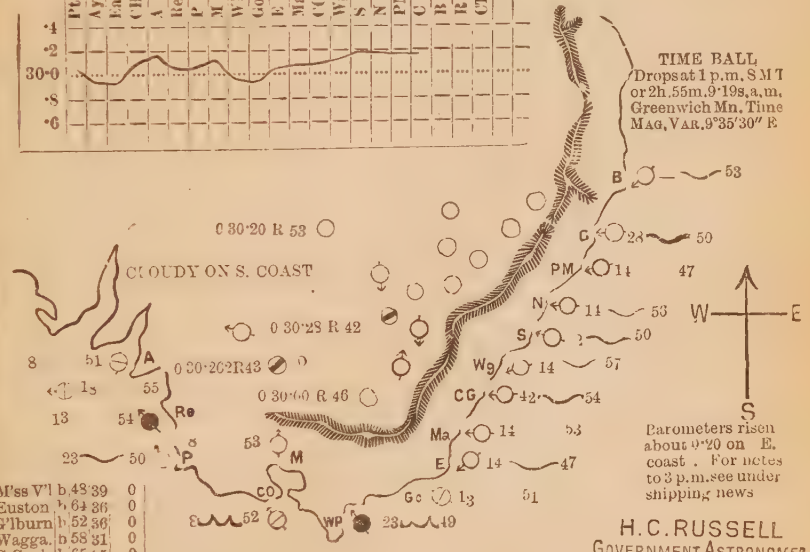
Barometers corrected to 32° Fah.

0.30 47 R 44 *Curve showing state of Barometer.*




| Stations. | wt | M.X | m | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 54 | 40 | 0 |
| Deniliquin. | g | 59 | 35 | 0 |
| Moruya .. | b | 65 | 41 | 0 |
| Kiandra.. | c | 43 | 25 | 0·32 |
| Albury ... | b | 58 | 39 | 0 |
| Bodalla.. | b | 62 | 23 | 0 |
| Cooma .... | n | 57 | 26 | 0 |
| Eden .... | b | 57 | 43 | 0 |

| STATIONS. | wt | M'X | m | R'in |
|---|---|---|---|---|
| Casino .. | b | 78 | 52 | 0 |
| Tent'rfield | b | 58 | 32 | 0 |
| Clarence . | b | 70 | 50 | 0 |
| Moree .. | b | 65 | — | 0 |
| Grafton .. | b | 75 | 48 | 0 |
| Glen Inn's | b | 27 | 56 | 0 |
| Inverell. | b | 60 | 18 | 0 |
| Bourke .. | o | 66 | 49 | 0 |
| Narrabri . | n | 58 | 23 | 0 |
| Armidale. | b | 53 | — | 0 |
| Bendem'r | c | 54 | 29 | 0 |
| Gunned'h . | . | — | — | — |
| C'n'mble | n | 69 | 50 | 0 |
| Kempsey . | . | — | — | — |
| Walcha.. | b | 52 | 21 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 26 | 51 | 0 |
| P. M'cquie | b | 66 | 40 | 0 |
| Wilcannia | . | — | — | — |
| Murr'ndi . | o | 54 | 38 | 0 |
| Taree.. | b | 68 | 34 | 0 |
| Cassilis . | . | — | — | — |
| Muss'br'k | b | 64 | 35 | 0 |
| Dubbo . | o | 57 | 36 | 0 |
| Menindie. | b | 63 | 44 | 0 |
| Singleton | b | 55 | 48 | 0 |
| Nels'n's P | b | 86 | 45 | 0 |
| 13 56 | | | | |
| Mudg | n | 57 | 25 | 0 |
| Maitland. | o | 61 | 46 | 0 |
| Hill End. | . | — | — | — |
| N'castle | b | 64 | 48 | 0 |
| Orange .. | n | 46 | 39 | 0 |
| Bathurst | o | 51 | 31 | 0 |
| Forbes .. | b | 55 | 33 | 0 |
| M.Vict'ria | o | 45 | 26 | 0 |
| Carcoar . | b | 48 | 37 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 58 | 39 | 0 |
| Picton .. | b | 59 | 42 | 0 |
| Sydney .. | b | 61 | 47 | 0 |
| Wentw'th | b | 65 | 39 | 0 |
| Young . | g | 62 | 37 | 0 |
| Woll'g'ng | o | 66 | 48 | 0 |
| Taralga.. | b | 55 | — | 0 |
| Hay .... | o | 61 | 40 | 0 |
| M'ss V'l | b | 48 | 39 | 0 |
| Euston | b | 64 | 36 | 0 |
| G'lburn | b | 52 | 36 | 0 |
| Wagga. | b | 58 | 31 | 0 |
| C Geo' | b | 65 | 25 | 0 |




Barometers risen about 0·20 on E. coast. For notes to 3 p.m. see under shipping news

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** JULY 16 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* **E.**

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 16 | 29·046 |
| Barometers corrected to 32° Fah. | and Mean Sea Level | |

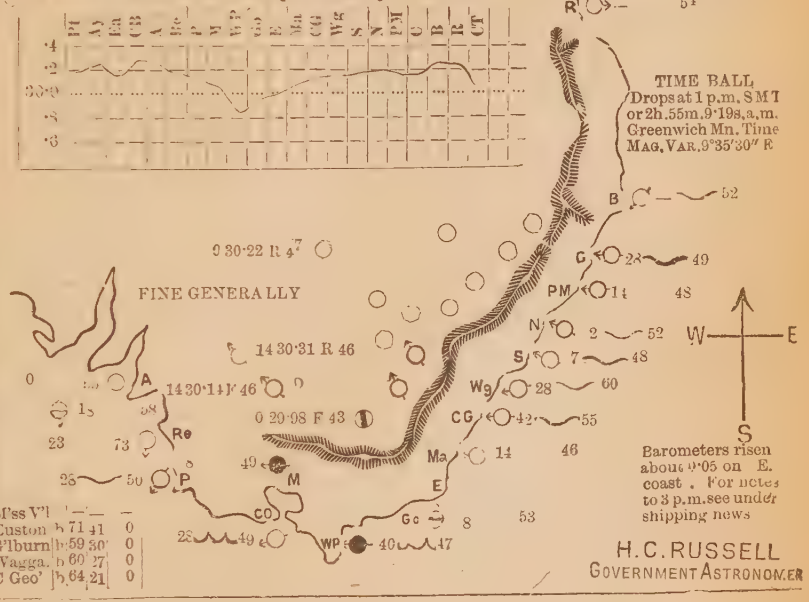
| Stations. | wt | M'n | V'r | R'in |
|---|---|---|---|---|
| Casino .. | b | 74 | 53 | 0 |
| Tent'rfield | n | 72 | 26 | 0 |
| Clarence . | b | 69 | 42 | 0 |
| Moree .. | b | 73 | – | 0 |
| Grafton . | n | 75 | 43 | 0 |
| Gl'n Inn's | b | 58 | 23 | 0 |
| Inverell. | b | 64 | 15 | 0 |
| Bourke | b | 62 | 40 | 0 |
| Narrabri . | n | 58 | 35 | 0 |
| Armidale. | n | 51 | | 0 |
| Bendem'r | n | 52 | 22 | 0 |
| Gunned'h | n | 67 | 34 | 0 |
| C'n'mble | n | 62 | 32 | 0 |
| Kempsey | . | — | — | – |
| Walcha.. | b | 52 | 16 | 0 |
| Tamw'rth | . | — | – | — |
| Coonab'n. | b | 64 | 21 | 0 |
| P. M'cqri | b | 62 | 44 | 0 |
| W'leanni | . | — | – | – |
| Murr'ndi. | n | 57 | 32 | 0 |
| Taree.. | b | 64 | 40 | 0 |
| Cassilis | . | — | — | — |
| Muss'br'k | b | 64 | 32 | 0 |
| Dubbo . | . | — | — | — |
| Menindie. | b | 71 | 42 | 0 |
| Singleton | b | 62 | 35 | 0 |
| Nels'n's B' | b | 86 | 47 | 0 |
| S 60 | | | | |
| Mudg | n | 63 | 23 | 0 |
| Maitland. | n | 60 | 36 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 31 | 0 |
| Orange .. | f | 48 | 29 | 0 |
| Bathurst | n | 60 | 25 | 0 |
| Forbes .. | b | 55 | 33 | 0 |
| M.Vict'ria | n | 50 | 25 | 0 |
| Carcoar . | b | 51 | 34 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 62 | 41 | 0 |
| Picton .. | b | 55 | 30 | 0 |
| Sydney .. | b | 62 | 44 | 0 |
| Wentw'th | b | 71 | 41 | 0 |
| Young . | b | 72 | 32 | 0 |
| Woll'g'ng | n | 71 | 45 | 0 |
| Taralga.. | b | 57 | — | 0 |
| Hay .... | n | 67 | 38 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | | — | — | — |
| Euston | b | 71 | 41 | 0 |
| G'lburn | b | 59 | 30 | 0 |
| Wagga. | b | 60 | 27 | 0 |
| C Geo' | b | 64 | 21 | 0 |

| Stations. | WT | M'n | V'r | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 52 | 32 | 0 |
| Deniliquin. | b | 64 | 40 | 0 |
| Moruya .. . | b | 62 | 39 | 0 |
| Kiandra.. | n | 47 | 27 | 0·07 |
| Albury ... | g | 61 | 31 | 0 |
| Bodalla.. | n | 69 | 24 | 0 |
| Cooma .... | b | 58 | 33 | 0 |
| Eden ..... | . | — | — | — |

0 30 38 F 59 *Curve showing state of Barometer.*




Barometers risen about 0·05 on E. coast. For notes to 3 p.m. see under shipping news

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 17 1883.

Sydney Observatory.

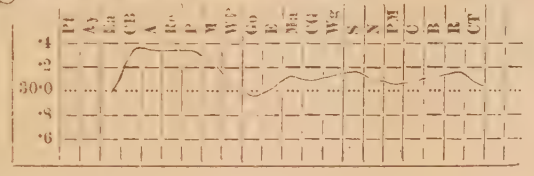
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | |
|---|---|
| Average Annual Rainfall for 24 years | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 25·498 |
| Total Rainfall from Jan. 1st to | July 17 29·046 |
| Barometers corrected to 32° Fah. | and Mean Sea Level |

| STATIONS. | wt | M.Y. | R'in |
|---|---|---|---|
| Casino .. | b | 75 55 | 0 |
| Tw'f'field | g | 63 32 | 0 |
| Clarence . | c | 70 47 | 0 |
| Moree .. | g | 74 - | 0 |
| Grafton . | b | 75 46 | 0 |
| Gl'n Inn's | g | 57 31 | 0 |
| Inverell. | o | 60 19 | 0 |
| Bourke .. | g | 68 48 | 0 |
| Narrabri . | g | 54 32 | 0 |
| Armidale. | g | 52 - - | 0 |
| Bendem'r | o | 57 33 | 0 |
| Gunned'h | b | 68 44 | 0 |
| C'n'mble | o | 62 46 | 0 |
| Kempsey . | . | — — | - |
| Walcha.. | b | 54 30 | 0 |
| Tamw'rth | b | 56 — | 0 |
| Coonab'n. | g | 60 30 | 0 |
| P. M'qurie | c | 66 46 | 0 |
| W'lcannia | . | — — | - |
| Murr'ndi. | c | 56 36 | 0 |
| Taree.. | g | 66 45 | 0 |
| Cassilis | c | 55 35 | 0 |
| Muss'br'k | g | 65 36 | 0 |
| Dubbo . | . | — — | — |
| Menindie. | g | 72 43 | 0 |
| Singleton | b | 68 42 | 0 |
| Nels'n's B. | b | 54 52 | 0 |
| 13 54 | | | |
| Mudg | g | 68 31 | 0 |
| Maitland. | o | 62 46 | 0 |
| Hill End. | . | — — | - |
| N'weastle | b | 74 33 | 0 |
| Orange .. | b | 48 32 | 0 |
| Bathurst | o | 50 30 | 0 |
| Forbes .. | b | 54 30 | 0 |
| M.Vict'ria | b | 50 32 | 0 |
| Carcoar . | n | 50 36 | 0 |
| Cond'b'lin | . | — — | — |
| Marsdens | b | 65 41 | 0 |
| Picton .. | o | 64 25 | 0 |
| Sydney .. | b | 65 49 | 0 |
| Wentw'th | b | 65 35 | 0 |
| Young . | b | 72 34 | 0 |
| Wolt'g'ng | o | 74 44 | 0 |
| Taralga.. | . | — — | — |
| Hay .... | o | 69 36 | 0 |

| Stations. | WT | M.X | Mn | R'fall |
|---|---|---|---|---|
| Queanbe'an | n | 48 31 | | 0 |
| Deniliquin. | b | 59 — | | 0 |
| Moruya .. | b | 71 44 | | 0 |
| Kiandra.. | n | 51 19 | | 0 |
| Albury ... | o | 58 31 | | 0 |
| Bodalla.. | b | 73 29 | | 0 |
| Cooma .... | n | 59 27 | | 0 |
| Eden .... | b | 64 41 | 0·06 | |

8 30 28 F 62 ... Hourly state of Barometer.




TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

14 30·17 F 54

FINE GENERALLY

14 30·43 R 38

14 30·31 R 36

14 30·03 R 35

Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 18 1883.

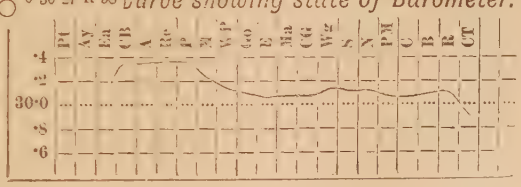
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | . . . . . | 50·640 |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | July 18 | 29·046 |

Barometers corrected to 32° Fah. and Mean Sea Level

0 30 27 R 58 *Curve showing state of Barometer.*




| STATIONS. | WT | M | X | R'in |
|---|---|---|---|---|
| Casino .. | b | 75 | 55 | 0 |
| Tent'rfield | n | 62 | 29 | 0 |
| Clarence . | c | 67 | 52 | 0 |
| Moree .. | b | 72 | — | 0 |
| Grafton . | o | 77 | 47 | 0 |
| Glen Inn's | o | 58 | 31 | 0 |
| Inverell. | b | 60 | 23 | 0 |
| Bourke .. | g | 65 | 43 | 0 |
| Narrabri . | b | 58 | 35 | 0 |
| Armidale. | c | 53 | — | 0 |
| Bendem'r | b | 58 | 39 | 0 |
| Gunned'h | b | 72 | 49 | 0 |
| Cr'mble | o | 61 | 37 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 54 | 24 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 60 | 12 | 0 |
| P. M'cqrie | . | — | — | — |
| W'leamnia | . | — | — | — |
| Murr'ndi. | n | 56 | 30 | 0 |
| Taree. | o | 61 | 37 | 0 |
| Cassilis | . | — | — | — |
| Muss'br'k | n | 67 | 26 | 0 |
| Dubbo . | n | 58 | 32 | 0 |
| Menindie. | b | 72 | 41 | 0 |
| Singleton | b | 59 | 33 | 0 |
| Nels'n's P. | b | 56 | 38 | 0 |
| Mudg | n | 65 | 25 | 0 |
| Maitland. | n | 58 | 32 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 67 | 26 | 0 |
| Orange .. | n | 42 | 27 | 0 |
| Bathurst | n | 53 | 20 | 0 |
| Forbes .. | b | 52 | 31 | 0 |
| M.Vict'ria | b | 44 | 24 | 0 |
| Carcoar . | n | 47 | 27 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 56 | 35 | 0 |
| Picton .. | n | 64 | 25 | 0 |
| Sydney .. | n | 55 | 40 | 0 |
| Wentw'th | b | 57 | 36 | 0 |
| Young . | b | 71 | 25 | 0 |
| Woll'g'ng | o | 63 | 26 | 0 |
| Taralga.. | o | 50 | — | 0 |
| Hay .. .. | o | 55 | 36 | 0 |

| Stations. | WT | M | X | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 42 | 25 | 0 |
| Deniliquin. | b | 55 | 30 | 0 |
| Moruya .. | b | 65 | 32 | 0 |
| Kiandra.. | . | — | — | — |
| Albury ... | o | 54 | 28 | |
| Bodalla.. | n | 60 | 18 | 0 |
| Cooma .... | n | 48 | 19 | 0 |
| Eden .... | b | 62 | 45 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 45 | 27 | 0 |
| Euston | b | 60 | 32 | 0 |
| G'lburn | b | 51 | 20 | 0 |
| Wagga. | . | — | — | — |
| C Geo'. | b | 58 | 15 | 0 |

FINE GENERALLY

14 30·16 F 45

28 30·42 F 39

14 30·30 F 38

30·01 F 30

TIME BALL
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′0″ E.

Barometers fallen about ·05 on E. coast. For notes to 3 p.m. see under shipping news

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 19 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 19 29·038
Barometers corrected to 32° Fah. and Mean Sea Level

| STATIONS. | wt | M'X | M'n | R'in |
|---|---|---|---|---|
| Casino .. | c | 77 | 40 | 0 |
| Tent'rfield | g | 62 | 35 | 0 |
| Clarence .. | c | 67 | 52 | 0 |
| Moree .. | b | 65 | .. | 0 |
| Grafton .. | g | 74 | 47 | 0 |
| Gl'n Inn's | g | 57 | 28 | 0 |
| Inverell. | g | 60 | 19 | 0 |
| Bourke .. | o | 65 | 35 | 0 |
| Narrabri. | c | 58 | 34 | 0 |
| Armidale. | g | 52 | .. | 0 |
| Bendem'r | b | 55 | 28 | 0 |
| Gunned'h | b | 62 | 36 | 0 |
| C'n'mble | o | 61 | 33 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 49 | 20 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 55 | 23 | 0 |
| P. M'cqrie | c | 60 | 45 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 50 | 31 | 0 |
| Taree.. | g | 59 | 41 | 0 |
| Cassilis | n | 48 | 27 | 0 |
| Muss'br'k | g | 61 | 25 | 0 |
| Dubbo .. | u | 57 | 33 | 0 |
| Menindie. | b | 50 | 40 | 0 |
| Singleton | b | 52 | 36 | 0 |
| Nels'n's B. | g | 79 | 37 | 0 |
| Mudg. | n | 62 | 22 | 0 |
| Maitland. | c | 56 | 36 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | c | 67 | 33 | 0 |
| Orange .. | b | 49 | 28 | 0 |
| Bathurst | u | 45 | 23 | 0 |
| Forbes .. | b | 51 | 30 | 0 |
| M.Vict'ria | g | 42 | 28 | 0 |
| Carcoar . | u | 42 | 29 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | n | 48 | 34 | 0 |
| Picton .. | c | 53 | 21 | 0 |
| Sydney .. | g | 54 | 42 | 0 |
| Wentw'th | o | 57 | 37 | 0 |
| Young .. | n | 70 | 28 | 0 |
| Woll'g'ng | o | 62 | 42 | 0 |
| Taralga.. | u | 54 | — | 0 |
| Hay .. .. | o | 55 | 35 | 0 |

| Stations. | WT | M'X | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | o | 45 | 27 | 0 |
| Deniliquin. | b | 50 | 28 | 0 |
| Moruya .. | b | 61 | 39 | 0 |
| Kiandra.. | . | — | — | — |
| Albury ... | b | 54 | 29 | 0 |
| Bodalla.. | b | 59 | 32 | 0 |
| Cooma .... | b | 44 | 30 | 0 |
| Eden ..... | p | 54 | 46 | 0·06 |
| M'ss V'l | b | 57 | 30 | 0 |
| Euston | n | 59 | 33 | 0 |
| G'lburn. | b | 51 | 26 | 0 |
| Wagga. | b | 45 | 32 | 0 |
| C Geo'. | p | 55 | 20 | 0·05 |

S 30 38 R 54 *Curve showing state of Barometer.*

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 20 1883.

## Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

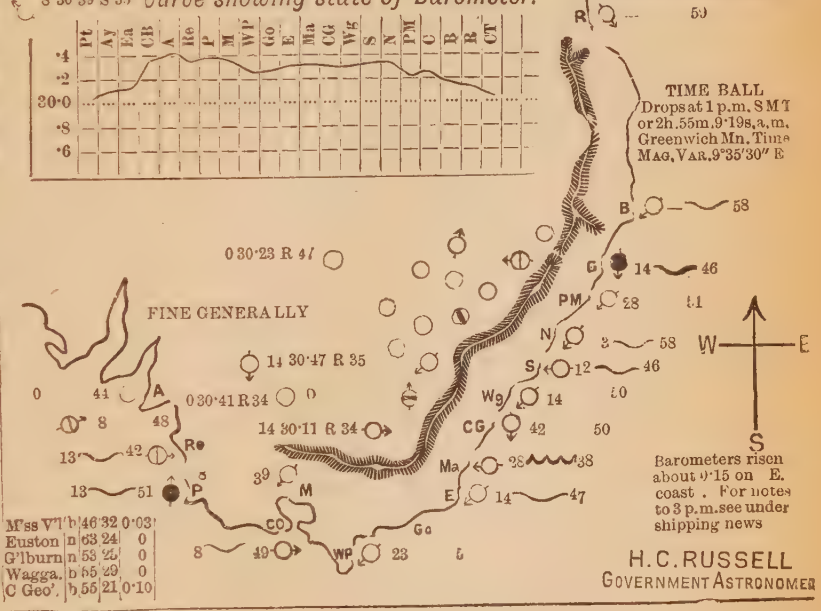
Average Annual Rainfall for 24 years ..... 50·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan, 1st to July 20 30·003
Barometers corrected to 32° Fah. and Mean Sea Level

S 30 39 S 55 *Curve showing state of Barometer.*




| STATIONS. | wt | m'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | c | 73 | 35 | 0 |
| Tenterfield | n | 64 | 28 | 0 |
| Clarence . | r | 67 | 50 | 0·15 |
| Moree .. | b | 67 | -- | 0 |
| Grafton .. | n | 71 | 47 | 0 |
| Glen Inn's | h | 50 | 34 | 0 |
| Inverell.. | b | 60 | 20 | 0 |
| Bourke .. | n | 59 | 39 | 0 |
| Narrabri . | b | 60 | 38 | 0 |
| Armidale. | g | 50 | -- | 0 |
| Bendem'r | g | 54 | 37 | 0 |
| Gunned'h | b | 70 | 45 | 0 |
| C'n'mble | n | 59 | 39 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 49 | 34 | 0 |
| Tamw'rth | b | 57 | 49 | 0 |
| Coonab'n. | n | 78 | 29 | 0 |
| P. M'cqrie | b | 51 | 47 | 0·10 |
| W'lcannia | . | — | — | - |
| Murr'ndi. | o | 47 | 34 | 0 |
| Taree.. | b | 58 | 44 | 0·02 |
| Cassilis | b | 58 | 32 | 0 |
| Muss'br'k | b | 63 | 32 | 0 |
| Dubbo . | b | 58 | 34 | 0 |
| Menindie. | b | 57 | 45 | 0 |
| Singleton | b | 51 | 40 | 0 |
| Nels'n's P. | p | 64 | 46 | 1·61 |
| 18 57 | | | | |
| Mudg | b | 65 | 29 | 0 |
| Maitland. | g | 51 | 42 | 0·55 |
| Hill End. | . | — | — | -- |
| N'wcastle | o | 68 | 35 | 2·20 |
| Orange .. | n | 46 | 29 | 0 |
| Bathurst | n | 52 | 24 | 0 |
| Forbes .. | o | 50 | 31 | 0 |
| M. Vict'ria | o | 43 | 32 | 0 |
| Carcoar . | u | 48 | 32 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | o | 57 | 35 | 0 |
| Picton .. | b | 55 | 30 | 0 |
| Sydney .. | b | 56 | 44 | 0·97 |
| Wentw'th | b | 58 | 32 | 0 |
| Young . | n | 71 | 30 | 0 |
| Woll'g'ng | b | 61 | 43 | 0 |
| Taralga.. | b | 54 | -- | 0 |
| Hay .... | n | 58 | 33 | 0 |
| M'ss V'l'y | b | 46 | 32 | 0·03 |
| Euston | n | 63 | 24 | 0 |
| G'lburn | n | 53 | 25 | 0 |
| Wagga. | b | 55 | 29 | 0 |
| C Geo'. | b | 55 | 21 | 0·10 |

| Stations. | WT | M.X | M'n | R in. |
|---|---|---|---|---|
| Queanbe'an | b | 49 | 28 | 0 |
| Deniliquin. | b | 57 | 27 | 0 |
| Moruya .... | n | 59 | 36 | 0 |
| Kiandra... | n | 42 | 15 | 0 |
| Albury ... | b | 59 | 31 | 0 |
| Bodalla.. | b | 60 | 24 | 0 |
| Cooma .... | n | 50 | 31 | 0 |
| Eden .... | b | 59 | 45 | 0 |




H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

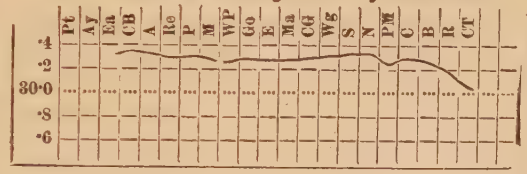
From TELEGRAMS for 9 A.M. & 3 P.M. JULY 21 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 56·640
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 21 30·005
Barometers corrected to 32° Fah. and Mean Sea Level

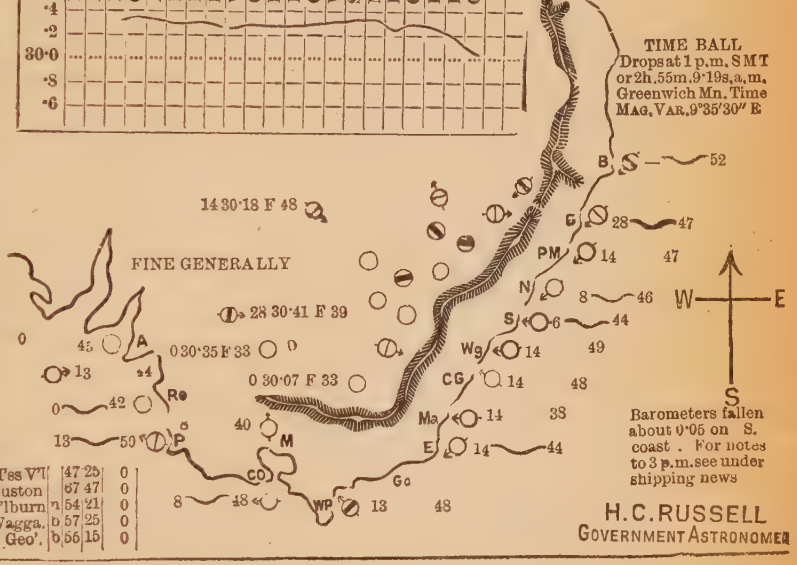
*Curve showing state of Barometer.*




| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | c | 65 | 36 | 0 |
| Tent'rfield | g | 58 | 28 | 0 |
| Clarence . | c | 66 | 49 | 0·99 |
| Moree .. | g | 72 | — | 0 |
| Grafton .. | b | 68 | 43 | 0 |
| Gl'n Inn's | g | 55 | 29 | 0 |
| Inverell.. | o | 60 | 23 | 0 |
| Bourke .. | g | 64 | 46 | 0 |
| Narrabri . | g | 60 | 40 | 0 |
| Armidale. | g | 49 | — | 0 |
| Pendem'r | o | 54 | 25 | 0 |
| Gunned'h | c | 71 | 38 | 0 |
| C'n'mble | g | 62 | 38 | 0 |
| Kempsey . | . | — | — | - |
| Walcha.. | b | 48 | 30 | 0 |
| Tamw'rth . | . | — | — | — |
| Coonab'n. | n | 61 | 24 | 0 |
| P. M'cqrie | b | 62 | 43 | 0 |
| W'lcannia . | . | — | — | - |
| Murr'ndi . | b | 53 | 32 | 0 |
| Taree.. | g | 61 | 41 | 0 01 |
| Cassilis | c | 58 | 32 | 0 |
| Muss'br'k | g | 62 | 32 | 0 |
| Dubbo .. | c | 58 | 33 | 0 |
| Menindie. | c | 61 | 42 | 0 |
| Singleton | b | 59 | 39 | 0 |
| Nels'n's B | b | 74 | 43 | 0·25 |
| 0 52 | | | | |
| Mudg | g | 70 | 29 | 0 |
| Maitland. | b | 57 | 36 | 0·03 |
| Hill End. | . | — | — | -- |
| N'wcastle | a | 67 | 30 | 0·33 |
| Orange .. | n | 45 | 28 | 0 |
| Bathurst | o | 56 | 24 | 0 |
| Forbes .. | o | 49 | 35 | 0 |
| M.Vict'ria | o | 45 | 30 | 0 |
| Carcoar . | n | 47 | 30 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | n | 60 | 36 | 0 |
| Picton .. | c | 51 | 22 | 0 |
| Sydney .. | b | 55 | 41 | 0 |
| Wentw'th | g | 60 | 34 | 0 |
| Young .. | n | 76 | 29 | 0 |
| Woll'g'ng | b | 63 | 37 | 0 |
| Taralga.. | o | 62 | — | 0 |
| Hay .. .. | g | 64 | 34 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | o | 45 | 29 | 0 |
| Deniliquin. | b | 57 | 28 | 0 |
| Moruya .. .. | b | 58 | 36 | 0 |
| Kiandra.. | b | 40 | 13 | 0 |
| Albury .. .. | b | 58 | 30 | 0 |
| Bodalla.. | b | 62 | 21 | 0 |
| Cooma .... | n | 54 | 16 | 0 |
| Eden .. .. .. | b | 55 | 43 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 47 | 25 | 0 |
| Euston | n | 67 | 47 | 0 |
| G'lburn | n | 54 | 21 | 0 |
| Wagga. | b | 57 | 25 | 0 |
| C Geo'. | b | 56 | 15 | 0 |




Barometers fallen about 0·05 on S. coast . For notes to 3 p.m. see under shipping news

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

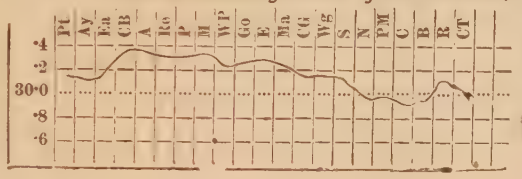
From TELEGRAMS for 9 A.M. & 3 P.M. JULY 23 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493.
Total Rainfall from Jan. 1st to July 23 31·180.
Barometers corrected to 32° Fah. and Mean Sea Level.

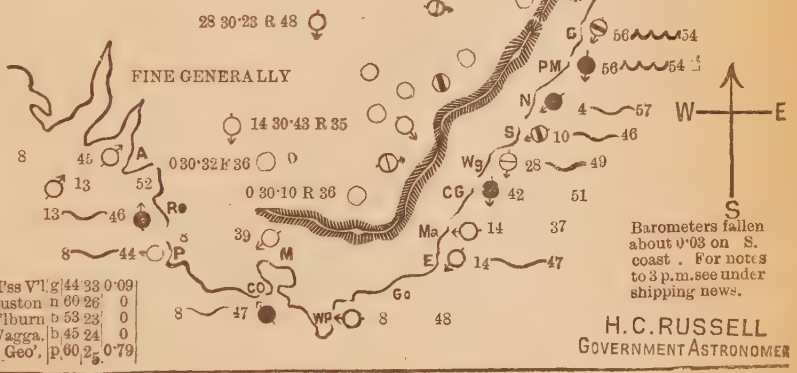
*Curve showing state of Barometer.*




| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 60 | 37 | 0·32 |
| Tent'rfield | b | 58 | 34 | 0·56 |
| Clarence . | g | 59 | 31 | 0·76 |
| Moree .. | b | 61 | — | 0·23 |
| Grafton .. | g | 56 | 40 | 0·35 |
| Gl n Inn's | b | 52 | 34 | 0·60 |
| Inverell.. | b | 55 | 21 | 0 |
| Bourke .. | b | 60 | 37 | 0 |
| Narrabri . | g | 59 | 36 | 0 |
| Armidale. | g | 48 | — | 0·52 |
| Bendem'r | c | 52 | 31 | 0·28 |
| Gunned'h | c | 62 | 41 | 0·01 |
| C'n'mble | b | 57 | 35 | 0 |
| Kempsey | . | — | — | — |
| Waleha.. | c | 43 | 33 | 0·09 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 55 | 30 | 0·04 |
| P. M'cqrie | r | 55 | 48 | 3·02 |
| W'leannia | . | — | — | — |
| Murr'ndi. | g | 50 | 30 | 0·12 |
| Taree.. | r | 55 | 48 | 1·50 |
| Cassilis | g | 50 | 35 | 0·08 |
| Muss'br'k | g | 56 | 43 | 0·09 |
| Dubbo .. | . | — | — | — |
| Menindie. | b | -- | 36 | 0 |
| Singleton | c | 51 | 47 | 0·16 |
| Nels'n's B. | r | 63 | 49 | 1·75 |
| 18 52 udg | n | 64 | 28 | 0·31 |
| Maitland. | g | 65 | 40 | 0·74 |
| Hill End. | . | — | — | — |
| N'wcastle | r | 55 | 35 | 3·15 |
| Orange .. | b | 46 | 29 | 0 |
| Bathurst | b | 52 | 25 | 0 |
| Forbes .. | b | 50 | 34 | 0 |
| M.Vict'ria | b | 47 | 31 | 0·10 |
| Carcoar . | b | 47 | 29 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 57 | 37 | 0 |
| Picton .. | b | 51 | 34 | 0 |
| Sydney .. | c | 51 | 44 | 1·18 |
| Wentw'th | b | 58 | 30 | 0 |
| Young .. | b | 75 | 30 | 0 |
| Woll'g'ng | g | 62 | 41 | 0 |
| Taralga.. | b | 57 | — | 0 |
| Hay .. .. | b | 55 | 33 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 44 | 33 | 0·09 |
| Euston | n | 60 | 26 | 0 |
| G'lburn | b | 53 | 23 | 0 |
| Wagga. | b | 45 | 24 | 0 |
| C. Geo'. | p | 60 | 2 | 0·79 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 48 | 27 | 0 |
| Deniliquin. | b | 56 | 26 | 0 |
| Moruya .. .. | b | 55 | 35 | 0 |
| Kiandra .. | n | 47 | 15 | 0 |
| Albury .. .. | b | 57 | 28 | 0 |
| Bodalla.. | b | 62 | 22 | 0 |
| Cooma .... | n | 50 | 22 | 0 |
| Eden .. .. .. | b | 55 | 41 | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 24 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

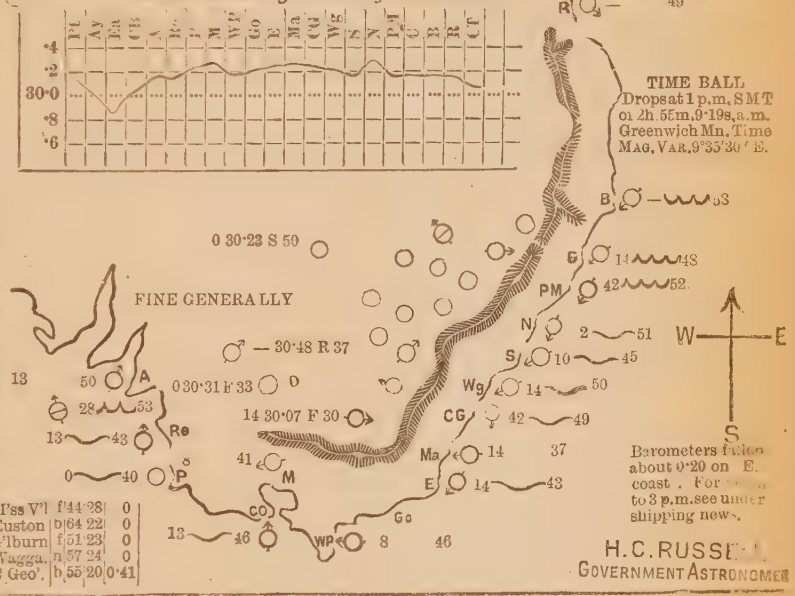
Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493.
Total Rainfall from Jan. 1st to July 24 31·202.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | ye | R'in |
|---|---|---|---|---|
| Casino .. | b | 64 | 32 | 0 |
| Tent'rfield | b | 55 | 24 | 0 |
| Clarence . | b | 62 | 50 | 0 |
| Meree .. | b | 65 | — | 0 |
| Grafton .. | b | 62 | 40 | 0 |
| Gl n Inn's | b | 50 | 32 | 0 |
| Inverell.. | b | 59 | 21 | 0 |
| Bourke .. | b | 64 | 37 | 0 |
| Narrabri . | c | 55 | 35 | 0 |
| Armidale. | b | 49 | — | 0 |
| Dender'r | b | 51 | 32 | 0 |
| Gunned'h | b | 63 | 37 | 0 |
| Cu'mble | b | 58 | 30 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | b | 44 | 29 | 0 |
| Tamw'rth | b | 56 | — | 0 |
| Coonab'n. | o | 51 | 20 | 0 |
| P. M'cquie | b | 53 | 47 | 1·68 |
| W'lcannia . | | — | | |
| Murr'ndi . | g | 50 | 39 | 0 |
| Taree.. | b | 54 | 46 | 0·44 |
| Cassilis | b | 53 | 32 | 0 |
| Muss'br'k | g | 59 | 34 | 0·01 |
| Dubbo .. | b | 59 | 33 | 0 |
| Menindie. | b | 58 | 38 | 0 |
| Singleton | b | 56 | 42 | 0·03 |
| Nels'n's R | r | 59 | 43 | 1·50 |
| udg | n | 68 | 26 | 0 |
| Maitland. | b | 56 | 43 | 0·03 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 60 | 35 | 1·25 |
| Orange .. | n | — | 26 | 0 |
| Bathurst | n | 53 | 23 | 0 |
| Forbes .. | b | 49 | 30 | 0 |
| M. Vict'ria | b | 43 | 20 | 0 |
| Carcoar . | b | 47 | 30 | 0 |
| Coud'b'lin | . | — | — | — |
| Marsdens | b | 58 | 35 | 0 |
| Picton .. | b | 54 | 20 | 0 |
| Sydney .. | b | 54 | 42 | 0·02 |
| Wentw'th | b | 59 | 29 | 0 |
| Young . | b | 78 | 28 | 0 |
| Woll'g'ng | b | 64 | 48 | 0·04 |
| Taralga.. | g | 52 | — | 0 |
| Hay .... | b | 55 | 30 | 0 |
| M'ss V'l | f | 44 | 28 | 0 |
| Euston | b | 64 | 22 | 0 |
| G'lburn | f | 51 | 23 | 0 |
| Wagga.. | n | 57 | 24 | 0 |
| C. Geo'. | b | 55 | 20 | 0·41 |

| Stations. | wt | M.x | ye | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 46 | 27 | 0 |
| Deniliquin. | b | 56 | 25 | 0 |
| Moruya .... | b | 56 | 24 | 0 |
| Kiandra... | n | 41 | 10 | 0 |
| Albury .... | b | 58 | 24 | 0 |
| Bodalla.. | b | 62 | 21 | 0 |
| Cooma .... | n | 53 | 14 | 0 |
| Eden .... | b | 56 | 42 | 0 |

Curve showing state of Barometer.




Barometers fallen about 0·20 on E. coast . For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL,
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 25 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to May 31 25·493.
Total Rainfall from Jan. 1st to July 25 31·203.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'X | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 71 | 33 | 0 |
| Tent'rfield | b | 58 | 29 | 0 |
| Clarence . | b | 63 | 49 | 0 |
| Moree .. | b | 70 | — | 0 |
| Grafton .. | b | 70 | 40 | 0 |
| Gl n Inn's | b | 55 | 28 | 0 |
| Inverell... | b | 57 | 16 | 0 |
| Bourke .. | b | 63 | 39 | 0 |
| Narrabri . | b | 53 | 32 | 0 |
| Armidale. | n | 50 | — | 0 |
| Bendem'r | b | 57 | 23 | 0 |
| Gunned'h | b | 68 | 33 | 0 |
| C'n'mble | b | 58 | 28 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | b | 52 | 24 | 0 |
| Tamw'rth . | — | — | — | — |
| Coonab'n. | o | 60 | 28 | 0 |
| P. M'cqrie | b | 62 | 42 | 0 |
| W'lcannia . | — | — | — | - |
| Murr'ndi. | b | 53 | 31 | 0 |
| Taree... | b | 62 | 46 | 0 |
| Cassilis | b | 55 | 33 | 0 |
| Muss'br'k | f | 60 | 28 | 0 |
| Dubbo .. | b | 57 | 33 | 0 |
| Menindie. | b | 58 | 36 | 0 |
| Singleton | b | 56 | 35 | 0 |
| Nels'n's R. | n | 81 | 38 | 0·03 |
| Eudg | n | 66 | 24 | 0 |
| Maitland. | b | 58 | 36 | 0 |
| Hill End. | . | — | — | — |
| N 'wcastle | b | 65 | 36 | 0 |
| Orange .. | b | 45 | 24 | 0 |
| Bathurst | n | 55 | 21 | 0 |
| Forbes .. | b | 50 | 34 | 0 |
| M. Vict'ria | b | 46 | 29 | 0 |
| Carcoar . | b | 47 | 29 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 59 | 32 | 0 |
| Picton .. | b | 55 | 15 | 0 |
| Sydney .. | b | 57 | 42 | 0 |
| Wentw'th | b | 64 | 35 | 0 |
| Young .. | b | 70 | 27 | 0 |
| Woll'g'ng | b | 63 | 35 | 0 |
| Taralga.. | n | 58 | — | 0 |
| Hay ... .. | b | 58 | 33 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 45 | 25 | 0 |
| Deniliquin. | b | 55 | 29 | 0 |
| Moruya ... .. | f | 58 | 32 | 0 |
| Kiandra... | n | 43 | — | 0 |
| Albury .... | b | 58 | 28 | 0 |
| Bodalla.. | b | 64 | 20 | 0 |
| Cooma .... | n | 55 | 13 | 0 |
| Eden ... ... .. | b | 54 | 36 | 0 |

0 30 22 S

## *Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·15 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493.
Total Rainfall from Jan. 1st to July 26 31·203.
Barometers corrected to 22° Fah. and Mean Sea Level.

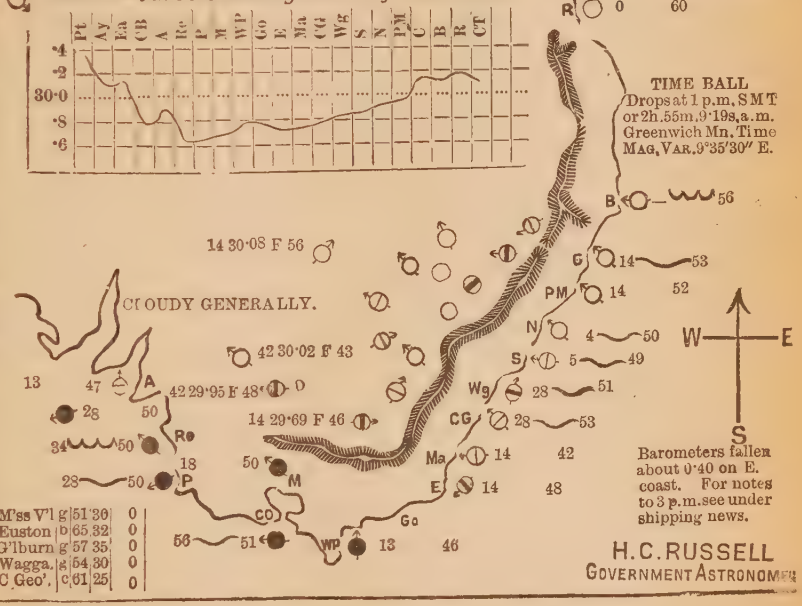
8 30·50 R 48 *Curve showing state of Barometer.*




| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 73 | 36 | 0 |
| Tent'rfield | g | 59 | 34 | 0 |
| Clarence . | b | 61 | 50 | 0 |
| Moree .. | b | 67 | — | 0 |
| Grafton .. | b | 70 | 42 | 0 |
| Gl n Inn's | g | 57 | 32 | 0·03 |
| Inverell.. | g | 58 | 30 | 0 |
| Bourke .. | b | 72 | 47 | 0 |
| Narrabri . | b | 65 | 42 | 0 |
| Armidale. | g | 51 | — | 0 |
| Bendem'r | g | 56 | 31 | 0 |
| Gunned'h | b | 71 | 42 | 0 |
| C'n'mble | b | 62 | 44 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 53 | 25 | 0·01 |
| Tamw'rth | b | 58 | — | 0 |
| Coonab'n. | b | 62 | 28 | 0 |
| P. M'cqrie | b | 64 | 41 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 50 | 30 | 0 |
| Taree.. | b | 61 | 38 | 0 |
| Cassilis | b | 40 | 32 | 0 |
| Muss'br'k | b | 61 | 31 | 0 |
| Dubbo .. | b | 61 | 38 | 0 |
| Menindie. | b | 67 | 35 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B. | b | 74 | 45 | 0 |
| Mudg | g | 68 | 24 | 0 |
| Maitland. | b | 54 | 38 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 70 | 33 | 0 |
| Orange .. | . | — | — | — |
| Bathurst | b | 57 | 28 | 0 |
| Forbes .. | g | 54 | 30 | 0 |
| M. Vict'ria | b | 48 | 34 | 0 |
| Carcoar . | g | 47 | 33 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 59 | 35 | 0 |
| Picton .. | c | 55 | 21 | 0 |
| Sydney .. | c | 58 | 45 | 0 |
| Wentw'th | b | 65 | 39 | 0·01 |
| Young .. | g | 70 | 33 | 0 |
| Woll'g'ng | c | 66 | 43 | 0 |
| Taralga.. | g | — | — | — |
| Hay .. .. | b | 63 | 42 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 45 | 27 | 0·03 |
| Deniliquin. | g | 58 | 31 | 0 |
| Moruya .. .. | g | 58 | 34 | 0 |
| Kiandra.. | s | 38 | 25 | 0 |
| Albury .. .. | g | 59 | 31 | 0 |
| Bodalla.. | g | 61 | 26 | 0 |
| Cooma .. .. | n | 54 | 26 | 0·36 |
| Eden .. .. .. | g | 54 | 29 | 0 |

| M'ss V'l | g | 51·30 | 0 |
|---|---|---|---|
| Euston | b | 65.32 | 0 |
| G'lburn | g | 57 35 | 0 |
| Wagga. | g | 54 30 | 0 |
| C. Geo'. | c | 61 25 | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 27 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | | |
|---|---|---|---|
| Average Annual Rainfall for 24 years | .... | .... | 50·640. |
| Average for 25 years from Jan. 1st to | May 31 | | 25·493 |
| Total Rainfall from Jan. 1st to | July 27 | | 31·203. |

Barometers corrected to 32° Fah.

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 76 | 32 | 0 |
| Tent'rfield | b | 58 | 32 | 0 |
| Clarence . | b | 59 | 52 | 0 |
| Moree .. | b | 67 | — | 0 |
| Grafton .. | b | 75 | 45 | 0 |
| Gl n Inn's | b | 55 | 30 | 0 |
| Inverell. | b | 58 | 17 | 0 |
| Bourke | b | 72 | 42 | 0 |
| Narrabri . | b | 60 | 33 | 0 |
| Armidale. | b | 54 | — | 0 |
| Bendem'r | b | 55 | 25 | 0 |
| Gunned'h | b | 69 | 34 | 0 |
| C'n'mble | b | 59 | 33 | 0 |
| Kempsey | . | — | — | . |
| Walcha.. | b | 53 | 21 | 0 |
| Tamw'rth | b | 60 | — | 0 |
| Coonab'n. | b | 58 | 31 | 0 |
| P. M'eqrie | b | 70 | 38 | 0 |
| W'lcannia | . | — | — | . |
| Murr'ndi. | b | 57 | 40 | 0 |
| Taree.. | b | 68 | 35 | 0 |
| Cassilis | b | 50 | 32 | 0 |
| Muss'br'k | b | 63 | 38 | 0 |
| Dubbo .. | b | 60 | 35 | 0 |
| Menindie. | . | — | — | — |
| Singleton | b | 48 | 37 | 0 |
| Nels'n's P. | b | 85 | 45 | 0 |
| 13 54 Mudg | b | 62 | 51 | 0 |
| Maitland. | b | 60 | 38 | 0 |
| Hill End. | . | — | — | .. |
| N'wcastle | b | 72 | 38 | 0 |
| Orange .. | b | 45 | 32 | 0 |
| Bathurst | b | 51 | 29 | 0 |
| Forbes .. | b | 52 | 31 | 0 |
| M. Vict'ria | b | 42 | 26 | 0 |
| Carcoar . | b | 48 | 34 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 57 | 40 | 0 |
| Picton .. | c | 59 | 28 | 0 |
| Sydney .. | b | 63 | 45 | 0 |
| Wentw'th | b | 64 | 45 | 0·05 |
| Young .. | g | 65 | 33 | 0·04 |
| Woll'g'ng | b | 63 | 44 | 0 |
| Taralga.. | b | 55 | — | 0 |
| Hay .. .. | c | 57 | 44 | 0·07 |

| Stations.. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 48 | 33 | 0 |
| Deniliquin. | g | 59 | 43 | 0·14 |
| Moruya .. | c | 64 | 34 | 0 |
| Kiandra.. | s | 42 | 21 | 0 |
| Albury .... | r | 54 | 44 | 0·56 |
| Bodalla.. | b | 67 | 24 | 0 |
| Cooma .... | c | 54 | 26 | 0 |
| Eden .. .. | b | 61 | 48 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 51 | 40 | 0 |
| Euston | g | 63 | 44 | 0 |
| G'lburn | b | 57 | 36 | 0·15 |
| Wagga. | r | 51 | 21 | 0·19 |
| C. Geo'. | b | 63 | 24 | 0 |

0 30·53 R 49 *Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 28 1883.

Sydney Observatory.

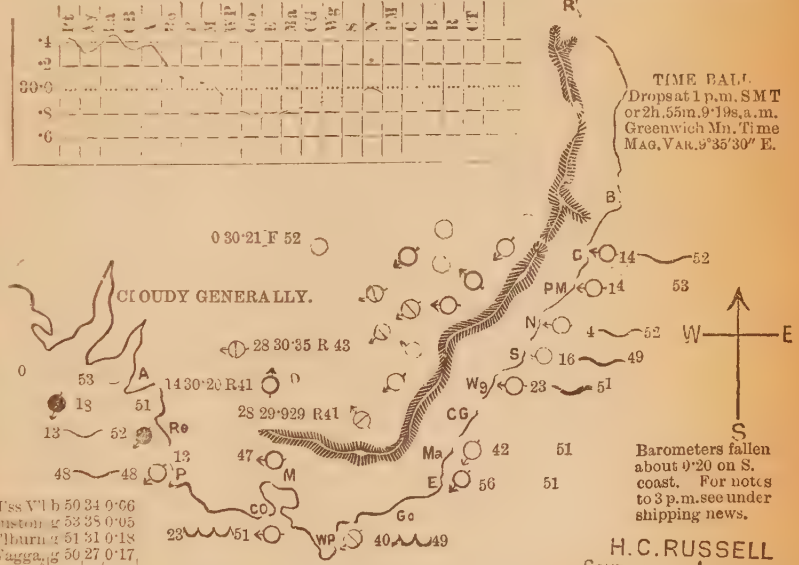
*Lat. 33° 51′ 41″ S.; Long 16h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 28 31·203.
Barometers corrected to 32° Fah and Mean Sea Leve.

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 43 | 36 | 0·42 |
| Deniliquin. | b | 54 | 34 | 0 |
| Moruya .. . | b | 63 | 47 | 0 |
| Kiandra.. | s | 40 | 21 | 0 |
| Albury ... | c | 54 | 39 | 0·25 |
| Bodalla.. | b | 63 | 30 | 0 |
| Cooma .... | n | 50 | 32 | 0 |
| Eden .... | b | 58 | 47 | 0 |

*Curve showing state of Barometer.*




Barometers fallen about 0·20 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS | | | | |
|---|---|---|---|---|
| Casino . | b | 74 | [illegible] | 0 |
| Tent'rfield | b | 56 | 33 | 0 |
| Clarence . | b | [illegible] | 53 | 0 |
| Moree | b | [illegible] | [illegible] | 0 |
| Grafton | b | 7[illegible] | [illegible] | 0 |
| Gl'n Inn's | b | 57 | 34 | 0 |
| Inverell. | . | — | | |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri . | c | 65 | 35 | 0 |
| Armidale. | g | 4[illegible] | | 0 |
| Bendem'r | . | — | — | — |
| Gunned'h | b | 66 | 36 | 0 |
| C'n'mole | b | 6[illegible] | [illegible] | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 5[illegible] | [illegible] | [illegible]·14 |
| Tamw'rth | . | — | | |
| Coonab'n. | b | 52 | 3[illegible] | 0·01 |
| P. M'cqrie | b | 68 | 45 | 0 |
| W'lcannia | . | — | — | . |
| Murr'ndi . | c | 54 | 40 | 0 |
| Taree | b | 67 | 42 | 0 |
| Cassilis | g | 55 | 41 | 0 |
| Muss'br'k | b | 63 | 42 | 0 |
| Dubbo . | g | 59 | 41 | 0 |
| Menindie. | b | 62 | 42 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B. | b | 75 | 47 | 0 |
| 0 51 Mudg | p | 55 | 38 | 0·08 |
| Maitland. | b | 60 | 44 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 73 | 35 | 0 |
| Orange .. | g | 42 | 33 | 0·39 |
| Bathurst | b | 49 | 35 | 0·27 |
| Forbes .. | b | 53 | [illegible] | 0 |
| M. Vict'ria | b | 44 | 30 | 0·10 |
| Carcoar . | s | 47 | 36 | 0·54 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 53 | 42 | [illegible]·08 |
| Picton .. | q | 60 | 42 | 0·04 |
| Sydney . | b | 6[illegible] | 47 | 0 |
| Wentw'th | g | 5[illegible] | 3[illegible] | 0 |
| Young . | g | 6[illegible] | 38 | 0·40 |
| Woll'g'ng | b | 8[illegible] | 44 | 0 |
| Taralga.. | s | 50 | — | 0 |
| Hay ... | c | 53 | 38 | 0 |
| M'ss V'l | b | 50 | 34 | 0·06 |
| Euston | g | 53 | 38 | 0·05 |
| G'lburn | g | 51 | 31 | 0·18 |
| Wagga. | g | 50 | 27 | 0·17 |
| C Geo' | . | — | — | — |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 30 1883.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.; Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average Annual Rainfall for 24 years** ..... 56·640.
**Average for 25 years from Jan. 1st to** May 31 25·493.
**Total Rainfall from Jan. 1st to** July 30 31·363.
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 70 | 32 | 0 |
| Tent'rfield | b | 60 | 22 | 0 |
| Clarence . | c | 68 | 47 | 0 |
| Moree .. | b | 67 | — | 0 |
| Grafton .. | b | 71 | 43 | 0 |
| Gl n Inn's | b | 54 | 28 | 0 |
| Inverell.. | b | 58 | 23 | 0 |
| Bourke .. | b | 65 | 40 | 0 |
| Narrabri . | b | 60 | 32 | 0 |
| Armidale. | g | 54 | — | 0 |
| Bendem'r | b | 52 | 31 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 58 | 32 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 48 | 33 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 56 | 19 | 0 |
| P. M'cqrie | g | 61 | 48 | 0·03 |
| W'lcannia | . | — | — | - |
| Murr'ndi . | c | 51 | 39 | 0 |
| Taree... | g | 60 | 47 | 0·12 |
| Cassilis | n | 52 | 35 | 0 |
| Muss'br'k | g | 61 | 31 | 0 |
| Dubbo .. | b | 55 | 41 | 0 |
| Menindie. | b | 69 | 41 | 0 |
| Singleton | b | 59 | 40 | 0 |
| Nels'n's B' | p | 77 | 41 | 1·70 |
| ♂ 13 55 Mudg | n | 68 | 29 | 0 |
| Maitland. | b | 57 | 39 | 0 |
| Hill End. | . | — | — | — |
| N 'wcastle | p | 60 | 43 | 0·98 |
| Orange .. | b | 45 | 31 | 0 |
| Bathurst | b | 55 | 28 | 0 |
| Forbes .. | b | 53 | 37 | 0 |
| M. Vict'ria | c | 44 | 32 | 0 |
| Carcoar . | b | 47 | 31 | 0·04 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 59 | 36 | 0 |
| Picton .. | b | 56 | 34 | 0 |
| Sydney .. | b | 55 | 44 | 0·16 |
| Wentw'th | n | 58 | 40 | 0 |
| Young .. | b | 74 | 29 | 0 |
| Woll'g'ng | b | 61 | 45 | 0 |
| Taralga.. | n | 55 | — | 0 |
| Hay .. .. | b | 60 | 35 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 47 | 29 | 0 |
| Euston | b | 65 | 33 | 0 |
| G'lburn | b | 53 | 24 | 0 |
| Wagga. | b | 50 | 19 | 0 |
| C. Geo'. | b | 56 | 43 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 48 | 29 | 0 |
| Deniliquin. | b | 58 | 33 | 0 |
| Moruya .. .. | b | 59 | 27 | 0 |
| Kiandra... | n | 43 | 20 | 0 |
| Albury .... | n | 59 | 32 | 0·02 |
| Bodalla.. | n | 62 | 23 | 0 |
| Cooma .... | n | 50 | 26 | 0 |
| Eden ... ... | b | 55 | 52 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. JULY 31 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to July 31 31·522.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 68 | 35 | 0 |
| Tent'rfield | b | 60 | 28 | 0 |
| Clarence . | c | 68 | 46 | 0·02 |
| Moree .. | b | 70 | — | 0 |
| Grafton .. | b | 67 | 40 | 0 |
| Gl n Inn's | b | 58 | 33 | 0 |
| Inverell.. | b | 58 | 19 | 0 |
| Bourke .. | b | 64 | 40 | 0 |
| Narrabri . | b | 60 | 35 | 0 |
| Armidale. | b | 49 | — | 0 |
| Bendem'r | b | 54 | 32 | 0 |
| Gunned'h | b | 69 | 40 | 0 |
| C'n'mble | b | 61 | 38 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 50 | 32 | 0 |
| Tamw'rth | b | 59 | — | 0 |
| Coonab'n. | b | 61 | 23 | 0 |
| P. M'cqrie | b | 26 | 49 | 0 |
| W'lcannia | . | — | — | — |
| Muri'ndi. | g | 52 | 35 | 0 |
| Taree.. | b | 60 | 50 | 0·02 |
| Cassilis | g | 55 | 39 | 0 |
| Muss'br'k | r | 63 | 42 | 0·15 |
| Dubbo .. | b | 57 | 41 | 0 |
| Menindie. | b | 60 | 38 | 0 |
| Singleton | b | 62 | 48 | 0 |
| Nels'n's B | p | 62 | 50 | 0·20 |
| Mudg | b | 67 | 28 | 0 |
| Maitland. | g | 59 | 48 | 0·08 |
| Hill End. | . | — | — | — |
| N 'wcastle | g | 62 | 49 | 0·55 |
| Orange .. | b | 48 | 31 | 0 |
| Bathurst | b | 57 | 29 | 0 |
| Forbes .. | b | 55 | 41 | 0 |
| M. Vict'ria | b | 45 | 35 | 0 |
| Carcoar . | b | 50 | 32 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | n | 61 | 32 | 0 |
| Picton .. | b | 59 | 34 | 0 |
| Sydney .. | b | 57 | 48 | 0·16 |
| Wentw'th | n | 64 | 35 | 0 |
| Young .. | b | 78 | 33 | 0 |
| Woll'g'ng | b | 66 | 46 | 0 |
| Taralga.. | . | — | — | — |
| Hay .. .. | b | 66 | 37 | 0 |
| M'ss V'l | b | 49 | 39 | 0 |
| Euston | b | 68 | 28 | 0 |
| G'lburn | b | 58 | 27 | 0 |
| Wagga. | b | 56 | 19 | 0 |
| C Geo'. | . | — | — | — |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 53 | 31 | 6 |
| Deniliquin. | b | 60 | 30 | 0 |
| Moruya .. | b | 61 | 39 | 0 |
| Kiandra.. | b | 58 | 11 | 0 |
| Albury .. | b | 62 | 33 | 0 |
| Bodalla.. | n | 66 | 25 | 0 |
| Cooma .. | n | 55 | 19 | 0 |
| Eden .. | | | | |

0 30·39 F 48 *true showing state of Barometer*

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m,9·19s,a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E.

FINE GENERALLY.

0 30·32 F 51

28 30·55 F 41

30·37 F 37

14 30·23 R 38

Barometers fallen about 0·10 on S. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 1 1883.

Sydney Observatory.

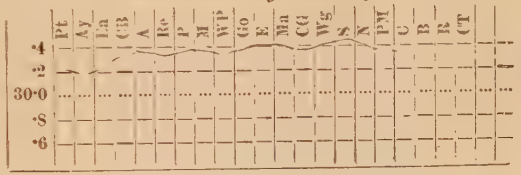
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

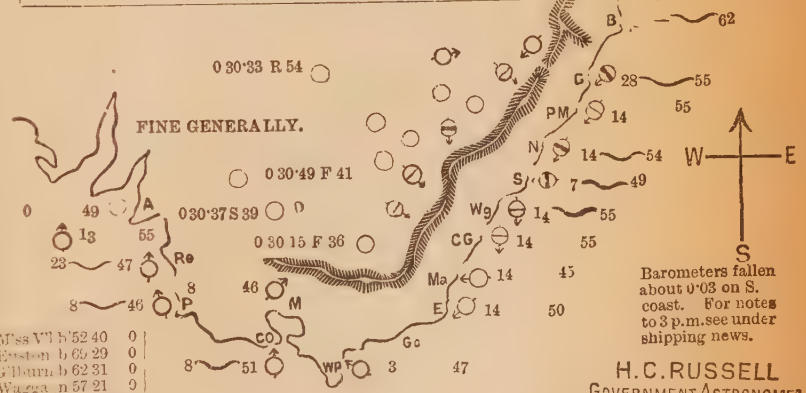
Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 1 31·562.
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | WT | M.X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 51 | 33 | 0 | |
| Deniliquin. | b | 62 | 31 | 0 | |
| Moruya .... | b | 65 | 41 | 0 | |
| Kiandra.. | n | 50 | 9 | 0 | |
| Albury ... | b | 68 | 33 | 0 | |
| Bodalla.. | n | 69 | 30 | 0 | |
| Cooma .... | n | 64 | 12 | 0 | |
| Eden .... | b | 58 | 50 | 0 | |

| Stations | | | | |
|---|---|---|---|---|
| Casino | [illegible] | 7[illegible] | [illegible] | 0 |
| [illegible]rfield | b | [illegible] | [illegible] | 0 |
| Clarence . | c | 68 | 52 | 0·02 |
| [illegible] | [illegible] | [illegible] | | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | b | 7[illegible] | 4 | 0 |
| Narrabri . | b | 65 | 44 | 0 |
| [illegible] | [illegible] | [illegible] | | 0 |
| Bendem'r | g | 59 | 34 | 0 |
| Gunned'h | b | 74 | 40 | 0 |
| C'n'mble | b | 63 | 36 | 0 |
| Kempsey | . | — | — | — |
| [illegible] | c | 5[illegible] | [illegible] | 0 |
| Tamw'rth | . | [illegible] | | — |
| Coonab'n. | b | 64 | 22 | 0 |
| P. M'cquie | g | 64 | 50 | 0·13 |
| W'lcannia | . | — | — | |
| Murr'ndi . | g | 55 | 38 | 0 |
| Taree .. | g | 63 | 52 | 0·11 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | r | 64 | 39 | 0·01 |
| Dubbo . | b | 57 | 36 | 0 |
| Menindie. | b | 65 | 40 | 0 |
| Singleton | b | 57 | 45 | 0 |
| Nels'n's B. | p | 63 | 49 | 0·53 |
| ○ 0 54 Mudg | b | 75 | 34 | 0 |
| Maitland. | g | 61 | 41 | -- |
| Hill End. | . | — | — | 0·05 |
| N'wcastle | g | 62 | 30 | 0 |
| Orange .. | n | 49 | 31 | 0 |
| Bathurst | f | 62 | 29 | 0 |
| Forbes .. | b | 56 | 42 | 0 |
| M. Vict'ria | g | 5[illegible] | 36 | 0 |
| Carcoar . | b | 52 | 35 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 64 | 10 | 0 |
| Picton .. | g | 61 | [illegible] | 0 |
| Sydney . | g | 5[illegible] | 48 | 0·04 |
| Wentw'th | [illegible] | 6[illegible] | [illegible] | 0 |
| Young . | b | 7[illegible] | [illegible] | 0 |
| Wol'g'ng | c | 67 | 44 | 0 |
| Taralga.. | . | 62 | - | 0 |
| Hay .... | b | 68 | 57 | 0 |
| M'ss V'l | b | 52 | 40 | 0 |
| Euston | b | 69 | 29 | 0 |
| G'lburn | b | 62 | 31 | 0 |
| Wagga | n | 57 | 21 | 0 |
| C Geo' | g | 58 | 50 | 0 |

*Curve showing state of Barometer.*




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 2 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 2 31·562
Barometers corrected to 32° Fah. and Mean Sea Level.

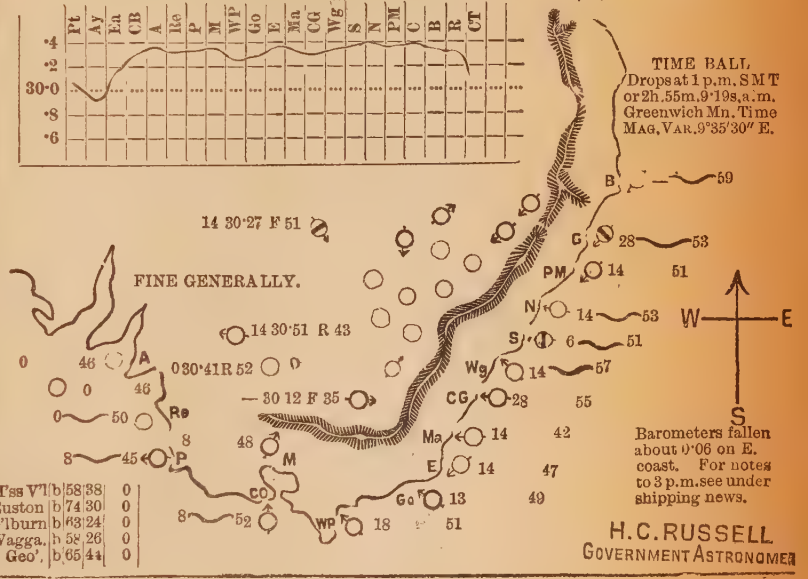
| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| Casino .. | b | 72 | 42 | | 0 |
| Teut'rfield | b | 64 | 34 | | 0 |
| Clarence . | g | 68 | 42 | | 0 |
| Moree | b | 77 | — | | 0 |
| Grafton . | b | 74 | 44 | | 0 |
| Gl'n Inn's | b | 62 | 35 | | 0 |
| Inverell. | b | 60 | 28 | | 0 |
| Bourke | g | 69 | 45 | | 0 |
| Narrabri . | b | 66 | 38 | | 0 |
| Armidale. | b | 58 | — | | 0 |
| Bendem'r | b | 59 | 23 | | 0 |
| Gunned'h | . | — | — | | — |
| C'n'mble | b | 63 | 30 | | 0 |
| Kempsey | . | — | — | | — |
| Walcha.. | b | 55 | 27 | | 0 |
| Tamw'rth | . | — | — | | — |
| Coonab'n. | b | 64 | 22 | | 0 |
| P. M'cqrie | b | 63 | 46 | | . |
| W'lcannia | . | — | — | | 0 |
| Murr'ndi . | b | 55 | 33 | | 0 |
| Taree. | b | 62 | 46 | | 0·01 |
| Cassilis | b | 55 | 34 | | 0 |
| Muss'br'k | g | 63 | 38 | | 0 |
| Dubbo . | b | 58 | 38 | | 0 |
| Menindie. | b | 69 | 40 | | 0 |
| Singleton | b | 62 | 42 | | 0 |
| Nels'n's B't | b | 84 | 45 | | 0 |
| ☾ 8 56 | | | | | |
| ○ Mudg | b | 68 | 28 | | 0 |
| Maitland. | . | — | — | | — |
| Hill End. | . | — | — | | — |
| N'wcastle | b | 64 | 47 | | 0 |
| Orange .. | b | 47 | 29 | | 0 |
| Bathurst | b | 60 | 30 | | 0 |
| Forbes .. | b | 58 | 45 | | 0 |
| M.Vict'ria | g | 47 | 33 | | 0 |
| Carcoar . | b | 50 | 37 | | 0 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | b | 66 | 40 | | 0 |
| Picton .. | g | 60 | 34 | | 0 |
| Sydney .. | b | 58 | 48 | | 0 |
| Wentw'th | c | 72 | 37 | | 0 |
| Young . | b | 80 | 32 | | 0 |
| Wol'g'ng | b | 62 | 40 | | 0 |
| Taralga.. | b | 60 | — | | 0 |
| Hay .... | b | 70 | 41 | | 0 |
| M'ss V'l | b | 58 | 38 | | 0 |
| Euston | b | 74 | 30 | | 0 |
| G'lburn | b | 63 | 24 | | 0 |
| Wagga. | b | 58 | 26 | | 0 |
| C Geo'. | b | 65 | 44 | | 0 |

| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 48 | 32 | | 0 |
| Deniliquin. | b | 63 | 34 | | 0 |
| Moruya .. | b | 61 | 39 | | 0 |
| Kiandra.. | b | 47 | | | 0 |
| Albury ... | b | 63 | 33 | | 0 |
| Bodalla.. | f | 66 | 28 | | 0 |
| Cooma .... | n | 55 | 24 | | 0 |
| Eden .... | b | 57 | 41 | | 0 |

0 30·40 R 53

*Curve showing state of Barometer.*




Barometers fallen about 0·06 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 3 1883.

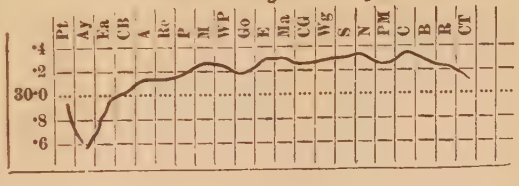
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 3 31·563.
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·28 S 60

*Curve showing state of Barometer.*




| TATIONS. | wt | m'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 76 | 40 | 0 |
| Tent'rfield | n | 64 | 38 | 0 |
| Clarence . | b | 64 | 56 | 0 |
| Moree .. | b | 73 | — | 0 |
| Grafton .. | b | 70 | 43 | 0 |
| Gl n Inn's | f | 60 | 36 | 0 |
| Inverell.. | b | 62 | 25 | 0 |
| Bourke .. | g | 70 | 46 | 0 |
| Narrabri. | b | 68 | 40 | 0 |
| Armidale. | b | 54 | — | 0 |
| Bendem'r | b | 59 | 29 | 0 |
| Gunned'b | c | 73 | 42 | 0 |
| C'n'mble | b | 67 | 41 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | o | 55 | 28 | 0 |
| Tamw'rth | b | 63 | — | 0 |
| Coonab'n. | b | 69 | 31 | 0 |
| P. M'eqrie | b | 62 | 47 | 0 |
| W'lcannia | . | — | — | . |
| Murr'ndi. | b | 56 | 39 | 0 |
| Taree.. | b | 64 | 44 | 0 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | b | 63 | 34 | 0 |
| Dubbo .. | g | 60 | 40 | 0 |
| Menindie. | b | 72 | 49 | 0 |
| Singleton | b | 60 | 41 | 0 |
| Nels'n's P. | b | 86 | 44 | 0 |
| 8 60 | | | | |
| Mudg | g | 70 | 30 | 0 |
| Maitland. | b | 59 | 44 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | n | 66 | 46 | 0 |
| Orange .. | b | 41 | 30 | 0 |
| Bathurst | b | 53 | 26 | 0 |
| Forbes .. | b | 61 | 45 | 0 |
| M. Vict'ria | b | 43 | 33 | 0 |
| Carcoar . | b | 52 | 37 | 0 |
| Coud'b'lin | . | — | — | — |
| Marsdens | b | 64 | 40 | 0 |
| Picton .. | c | 58 | 33 | 0 |
| Sydney .. | b | 59 | 46 | 0 |
| Wentw'th | n | 52 | 37 | 0 |
| Young .. | b | 80 | 32 | 0 |
| Woll'g'ng | b | 67 | 42 | 0 |
| Taralga.. | g | 61 | — | 0 |
| Hay .. .. | c | 70 | 43 | 0 |
| M'ss V'l | b | 52 | 37 | 0 |
| Euston | b | 72 | 34 | 0 |
| G'lburn | f | 59 | 27 | 0 |
| Wagga. | b | 58 | 22 | 0 |
| C Geo'. | b | 64 | 42 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 30 | 0 |
| Deniliquin. | c | 65 | 33 | 0 |
| Moruya .... | b | 59 | 49 | 0 |
| Kiandra.. | b | 48 | 13 | 0 |
| Albury .... | c | 62 | 34 | 0 |
| Bodalla.. | f | 67 | 28 | 0 |
| Cooma .... | f | 60 | 29 | 0 |
| Eden ..... | o | 58 | 48 | 0 |

R — 61

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

B — 60

G 14 — 52

PM 14 53

N 4 — 52

S 6 — 49

Wg 14 — 54

CG 14 54

Ma 14 51

E 14 47

Go 13 48

WP 13 49

14 30·18 F 55

14 30·33 F 47

30·37 F 42

30 09 F 40

FINE GENERALLY.

13 56 A 23 54 23 — 47 Re 8 46 13 — 50 P M CO 8 — 49

W E S

Barometers fallen about 0·06 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 4 1883.

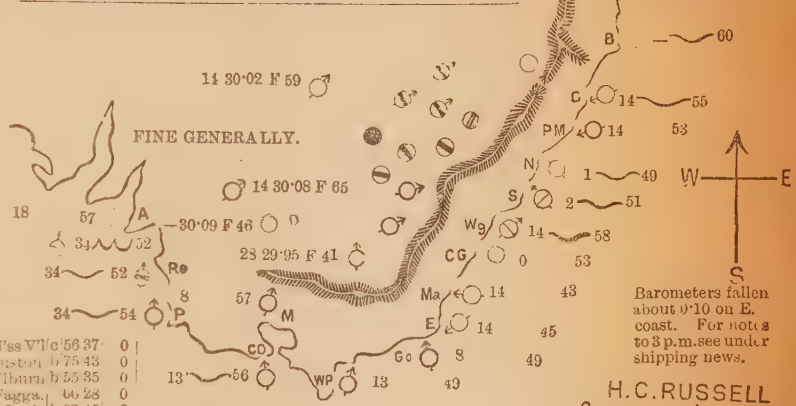
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 4 31·563
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | WT | M | X | Mn | Jr | in |
|---|---|---|---|---|---|---|---|
| Queanbe'an | b | | 54 | 34 | | 0 | |
| Deniliquin. | b | | 66 | 39 | | 0 | |
| Moruya .. | b | | 63 | 39 | | 0 | |
| Kiandra.. | n | | 46 | 14 | | 0 | |
| Albury ... | b | | 63 | 35 | | 0 | |
| Bodalla.. | b | | 65 | 21 | | 0 | |
| Cooma ... | n | | 59 | 19 | | 0 | |
| Eden .... | b | | 58 | 45 | | 0 | |

0 30·28 F 59 *Curve showing state of Barometer.*




Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | | | | | |
|---|---|---|---|---|---|
| Casino . | b | 78 | 40 | | 0 |
| Tenterfield . | | — | — | | — |
| Clarence . | b | [illegible] | 54 | | 0 |
| Moree . | g | 73 | | | 0 |
| Grafton | b | 76 | 50 | | 0 |
| Glen Inn's | g | 57 | 40 | | 0 |
| Inverell. | c | 62 | 0 | | 0 |
| Bourke | b | 72 | 5[illegible] | | 0·26 |
| Narrabri . | g | 65 | [illegible] | | 0 |
| Armidale. | g | 54 | — | | 0 |
| Bendem'r | g | 58 | 20 | | 0 |
| Gunned'h | g | 75 | 45 | | 0 |
| Cu'mble | g | 72 | 49 | | 0·19 |
| Kempsey | . | — | — | | — |
| Walcha.. | b | 54 | 32 | | 0 |
| [illegible] | | | | | — |
| Coonab'n. | p | 70 | 31 | | 0·05 |
| P. M'cqrie | b | 68 | 36 | | 0 |
| W'lcannia | . | — | — | | — |
| Murr'ndi. | c | 58 | 35 | | 0 |
| Taree. | b | 66 | 43 | | 0 |
| Cassilis | r | 58 | 30 | | 0 |
| Muss'br'k | g | 66 | 39 | | 0 |
| Dubbo . | r | 62 | 44 | | 0 |
| Menindie. | b | 67 | 48 | | 0 |
| Singleton | b | 64 | 44 | | 0 |
| Nels'n's B. | b | 82 | 44 | | 0 |
| 23 53 Mudg | g | 72 | 34 | | 0 |
| Maitland. | f | 60 | 45 | | 0 |
| Hill End. | . | — | — | | — |
| N'wcastle | f | 64 | 47 | | 0 |
| Orange .. | g | 50 | 36 | | 0 |
| Bathurst | g | 59 | 33 | | 0 |
| [illegible] | r | 61 | 45 | | 0 |
| M. Victoria | g | 50 | 37 | | 0 |
| Carcoar . | g | 50 | 37 | | 0 |
| [illegible] | . | — | — | | — |
| Marsdens | r | 67 | 41 | | 0·11 |
| Picton .. | c | 61 | 34 | | 0 |
| Sydney .. | b | 61 | 49 | | 0 |
| Wentw'th | b | 74 | 45 | | 0 |
| [illegible] | g | [illegible] | [illegible] | | 0 |
| [illegible] | c | 70 | 4[illegible] | | 0 |
| Taraiga.. | g | 58 | — | | 0 |
| Hay .... | c | 80 | — | | 0·02 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | c | 56 | 37 | 0 |
| Euston | b | 75 | 43 | 0 |
| G'lburn | b | 55 | 35 | 0 |
| Wagga. | | 66 | 28 | 0 |
| C Geo' | b | 63 | 45 | 0 |

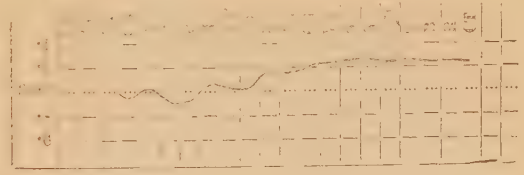
# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 6 1883.

Sydney Observatory.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Aug. 6 31·603

*Curve showing state of Barometer.*



| Stations. | WT | M | X | m | Rain fall |
|---|---|---|---|---|---|
| Queanbe'an | b | 51 | 50 | | 0 |
| Deniliquin. | b | 63 | 34 | | 0 |
| Moruya .. | b | 66 | 36 | 0·04 | |
| Kiandra .. | b | 34 | 10 | 0·92 | |
| Albury ... | b | 61 | 33 | | 0 |
| Bodalla .. | b | 68 | 20 | | 0 |
| Cooma .. | b | 57 | 18 | | 0 |
| Eden .... | b | 59 | 44 | | 0 |

| | | | |
|---|---|---|---|
| Menindie. | b | 63 | 48 | 0 |
| Sydney . | b | 67 | 43 | 0 |

FINE GENERALLY.

TIME BALL.
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35'30" E.

Barometers risen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 7 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.

Average [illegible] years from Jan. 1st to May 31 25·493

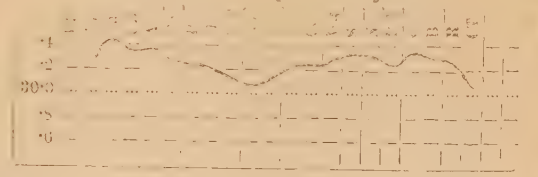
Total [illegible] from Jan. 1st to Aug. 7 31·604

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | v | | | |
|---|---|---|---|---|
| Casino .. | b | 73 | | 0 |
| Tenterfield | b | | | 0 |
| Clarence .. | b | | | 0 |
| [illegible] | | | | |
| Grafton .. | b | | | 0 |
| Glen Inn's | b | | | 0 |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| Murr'undi . | b | | | 0 |
| Taree .. | b | | | 0 |
| Cassilis .. | b | | | 0 |
| Muss'br'k | b | | | 0 |
| Dubbo .. | b | | | 0 |
| Menindie. | g | 77 | 46 | 0 |
| Singleton | b | | | 0 |
| Nelson's B | b | | | 0 |
| 0 52 | | | | |
| Mudg | b | 67 | 25 | 0 |
| Maitland. | b | 66 | 57 | 0 |
| Hill End. | | — | | — |
| N'weastle. | b | 69 | 44 | 0 |
| Orange .. | b | 47 | | 0 |
| Bathurst .. | b | 62 | 57 | 0 |
| Forbes .. | b | 58 | | 0 |
| M.Vict'ria | b | 54 | | 0 |
| Carcoar .. | n | 50 | 22 | 0 |
| [illegible] | | — | | — |
| Marsdens | b | 80 | | 0 |
| Picton .. | b | 66 | | 0 |
| Sydney .. | b | 61 | 34 | 0 |
| Wentw'th | b | 71 | 39 | 0 |
| Young .. | b | 73 | 31 | 0 |
| Wolt'g'ng | b | 71 | 45 | 0 |
| Taralga.. | | — | | 0 |
| Hay .... | b | 65 | 37 | |

| Stations. | WT | M.S | 9a | 3p | Rain |
|---|---|---|---|---|---|
| Queanbe'an | b | 50 | 30 | | 0 |
| Deniliquin. | b | 63 | 32 | | 0 |
| Moruya .. | b | 61 | 38 | | 0 |
| Kiandra .. | n | 48 | 19 | | 0 |
| Albury ... | | | | | |
| Bodalla .. | b | 65 | 24 | | 0 |
| Cooma .... | n | 64 | 32 | | 0 |
| Eden .... | b | 57 | 49 | | 0 |

*Curve showing state of Barometer.*




TIME BALL.
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

FINE GENERALLY.

0 30·26 R 57

28 30·43 R 44

0 30·30 S 44

| | | | | | | |
|---|---|---|---|---|---|---|
| Mss V'l | b | 55 | 33 | | 0 | |
| Euston | b | 69 | 40 | | 0 | |
| G'lburn. | | — | | — | | |
| Wagga. | b | 57 | 25 | | 0 | |
| C Geo' | b | 63 | 45 | | 0 | |

Barometers risen about 0·05 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 8 1888.

Sydney Observatory.

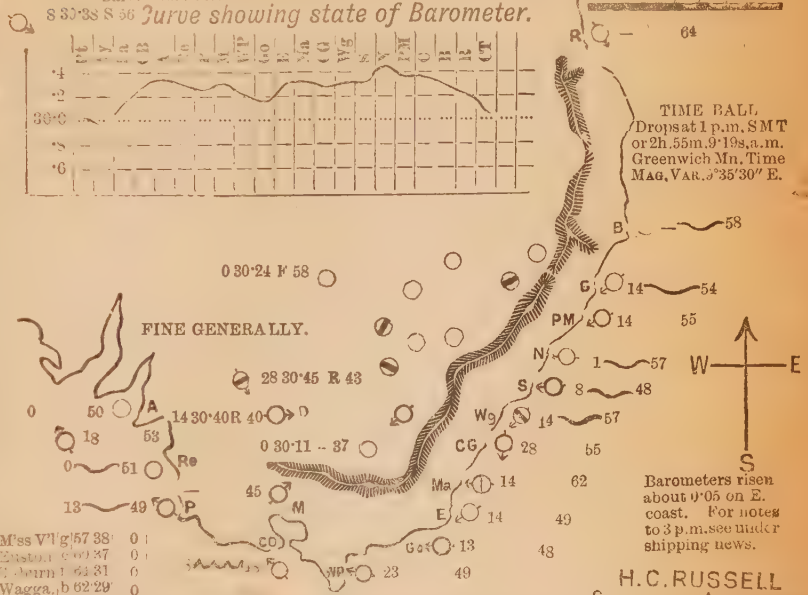
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for [illegible] Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 8 31·604
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | WT | M.X | Mn | R'in |
|---|---|---|---|---|---|
| Casino | [illegible] | | | | |
| Tent'rfield | c | | | | |
| Clarence | b | | | | |
| Moree | b | | | | |
| Grafton | b | | | | |
| Gl'n Inn's | g | | | | |
| Invereli. | b | | | | |
| Bourke | b | | | | |
| Narrabri. | b | | | | |
| Armidale. | f | | | | 0 |
| Bendem'r | b | | | | 0 |
| G[illegible] | b | | | | 0 |
| C'n'mble | b | | | | 0 |
| Kempsey | | | | | |
| Walcha.. | | | | | 0 |
| Tamw'rth | | | | | — |
| Coonab'n. | b | | | | 0 |
| P. M'cqrie | b | | | 45 | 0 |
| W'lcannia | | | | — | |
| Murr'ndi. | b | | | | 0 |
| Taree. | b | 69 | 44 | | 0 |
| Cassilis | b | 60 | 55 | | 0 |
| Muss'br'k | b | 66 | 32 | | 0 |
| Dubbo . | b | 64 | 38 | | 0 |
| Menindie. | g | 65 | 45 | | 0·02 |
| Singleton | b | 58 | 36 | | 0 |
| Nels'n's B | b | 62 | 41 | | 0 |
| 28 52 Mudg | b | 72 | 41 | | 0 |
| Maitland. | b | 60 | 38 | | 0 |
| Hill End. | | — | — | | — |
| Newcastle | b | 68 | 43 | | 0 |
| Orange .. | b | 52 | 31 | | 0 |
| Bathurst | b | 64 | 27 | | 0 |
| Forbes .. | g | 59 | 42 | | 0 |
| M. Vict'ria | b | 56 | 44 | | 0 |
| Carcoar . | g | 52 | 35 | | 0 |
| Cond b'lin | | — | — | | — |
| Marsdens | | — | — | | — |
| Picton .. | c | 65 | 31 | | 0 |
| Sydney .. | c | 64 | 44 | | 0 |
| Wentw'th | c | 73 | 41 | | 0 |
| Young . | g | [illegible] | | | 0 |
| Woll'g'ng | c | [illegible] | | | 0 |
| Taralga.. | b | 62 | — | | 0 |
| Hay .... | r | [illegible] | | | 0·11 |

| Stations. | | WT | M.X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 54 | 32 | | 0 |
| Deniliquin. | b | 63 | 32 | | 0 |
| Moruya .... | g | 70 | 52 | | 0 |
| Kiandra.. | n | 59 | 19 | | 0 |
| Albury .... | f | 62 | — | | 0 |
| Bodalla.. | g | 75 | 31 | | 0 |
| Cooma .... | c | 62 | 29 | | 0 |
| Eden ..... | b | 60 | 48 | | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 57 | 38 | 0 |
| Euston | c | 60 | 37 | 0 |
| C'burn | b | 64 | 31 | 0 |
| Wagga. | b | 62 | 29 | 0 |
| C Geo' | b | 66 | 50 | 0 |



# WEATHER MAP.

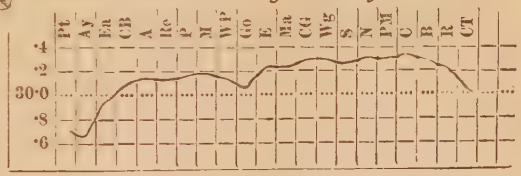
From Telegrams for 9 A.M. & 3 P.M. AUGUST 9 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 9 31·608
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·35 S 61 *Curve showing state of Barometer.*




| Stations. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 37 | 0 |
| Deniliquin. | b | 56 | 28 | 0 |
| Moruya .... | b | 56 | 46 | 0 |
| Kiandra.. | c | 52 | 21 | 0·09 |
| Albury .... | b | 52 | 35 | 0·04 |
| Bodalla.. | f | 64 | 32 | 0 |
| Cooma .... | n | 65 | 28 | 0 |
| Eden .... | b | 57 | 49 | 0 |

| Stations. | WT | M.X | M.N | R'in |
|---|---|---|---|---|
| [illegible] | b | 81 | [illegible] | 0 |
| Tent'rfield | b | 66 | 36 | 0 |
| Clarence | b | 68 | 58 | 0 |
| [illegible] | b | 78 | — | 0 |
| [illegible] | b | 72 | 42 | 0 |
| [illegible] | g | [illegible] | [illegible] | 0 |
| Inverell | b | [illegible] | [illegible] | 0 |
| Bourke | b | 74 | 46 | 0 |
| Narrabri. | b | 62 | 40 | 0 |
| Armidale. | b | 5[illegible] | | 0·05 |
| Bendem'r. | f | 62 | 33 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 69 | 41 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 58 | 35 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 68 | 29 | 0 |
| P. M'cqrie | b | 67 | 50 | 0·07 |
| Wilcannia | . | — | — | |
| Murr'ndi. | b | 61 | 40 | 0 |
| Taree.. | b | 67 | 46 | 0 |
| Cassilis | b | 55 | 45 | 0 |
| Muss'br'k | f | 68 | 34 | 0 |
| Dubbo . | b | 63 | 40 | 0 |
| Menindie. | b | 58 | 39 | 0·03 |
| Singleton | b | 65 | 43 | 0 |
| Nels'n's B. | b | 83 | 46 | 0 |
| 28 64 Mudg | b | 72 | 31 | 0 |
| Maitland. | b | 62 | 42 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 66 | 50 | 0 |
| Orange .. | b | 51 | 39 | 0 |
| Bathurst | b | 65 | 32 | 0 |
| [illegible] | b | 59 | 42 | 0 |
| M. Vict'ria | b | 54 | 44 | 0 |
| Carcoar . | b | 56 | 38 | 0 |
| Coud'b'lin | . | — | — | — |
| Marsdens | b | 66 | 41 | 0 |
| Picton .. | f | 62 | 38 | 0 |
| Sydney .. | f | 62 | 45 | 0 |
| Wentw'th | f | 64 | 38 | 0 |
| Young . | b | 77 | 36 | 0 |
| [illegible] | b | 69 | 4[illegible] | 0 |
| [illegible] | b | 5[illegible] | — | 0 |
| [illegible] | g | 47 | [illegible] | 0·45 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 59 | 41 | 0 |
| Euston | f | 66 | 34 | 0 |
| G'lburn | b | 59 | 32 | 0 |
| Wagga. | b | 58 | 37 | 0·11 |
| C Geo' | b | 64 | 64 | 0 |

Barometers fallen about 0·15 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

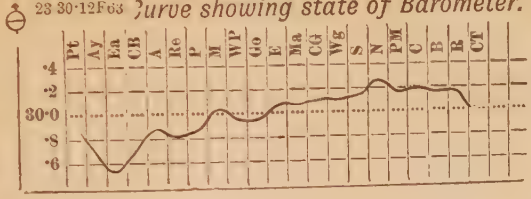
From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 10 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

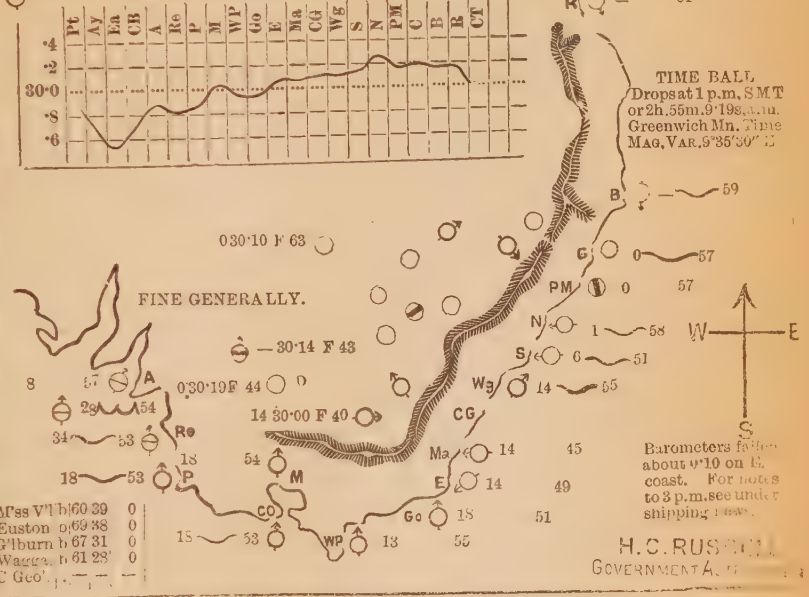
Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 10 31·612
Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*




| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 78 | 45 | 0 |
| Tent'rfield | b | 68 | 38 | 0 |
| Clarence . | b | 70 | 56 | 0 |
| Moree .. | b | 74 | — | 0·03 |
| Grafton .. | b | 78 | 47 | 0 |
| Gl n Inn's | g | 50 | 39 | 0 |
| Inverell. | b | 64 | 30 | 0·05 |
| Bourke | b | 76 | 54 | 0 |
| Narrabri. | b | 69 | 41 | 0 |
| Armidale. | f | 56 | — | 0 |
| Bendem'r | f | 60 | 33 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | g | 72 | 46 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | p | 55 | 34 | 0·02 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 71 | 37 | 0 |
| P. M'cqrie | c | 69 | 54 | 0 |
| W'leannia | . | — | — | - |
| Murr'ndi. | b | 62 | 46 | 0·03 |
| Taree.. | b | 69 | 54 | 0 |
| Cassilis | b | 65 | 42 | 0 |
| Muss'br'k | b | 70 | 43 | 0 |
| Dubbo .. | b | 64 | 41 | 0 |
| Menindie. | g | 63 | 38 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B' | b | 84 | 46 | 0 |
| 0 5 | | | | |
| Mudg | b | 74 | 47 | 0 |
| Maitland. | b | 63 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 66 | 50 | 0 |
| Orange .. | b | 52 | 33 | 0 |
| Bathurst | b | 67 | 32 | 0 |
| Forbes .. | b | 74 | 47 | 0 |
| M.Vict'ria | b | 57 | 48 | 0 |
| Carcoar . | b | 52 | 35 | 0 |
| Coond'b'lin | . | — | — | — |
| Marsdens | b | 68 | 46 | 0 |
| Picton .. | b | 63 | 36 | 0 |
| Sydney .. | b | 62 | 47 | 0 |
| Wentw'th | c | 86 | 40 | 0 |
| Young .. | b | 81 | 35 | 0 |
| Wolh'g'ng | b | 70 | 44 | 0 |
| Taralga.. | b | 62 | — | 0 |
| Hay .... | b | 61 | 43 | 0 |

| Stations. | WT | M'x | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | u | 55 | 33 | 0 |
| Deniliquin. | b | 62 | 33 | 0 |
| Moruya .. | b | 64 | 39 | 0 |
| Kiandra... | n | 52 | 20 | 0 |
| Albury .... | b | 65 | 34 | 0 |
| Bodalla.. | n | 70 | 23 | 0 |
| Cooma .... | n | 66 | 19 | 0 |
| Eden ..... | b | 59 | 47 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 11 31·612
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| Clarence . | b | [illegible] | | 0 |
| Moree . | g | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| [illegible] | | [illegible] | | 0 |
| Gunned'h | c | [illegible] | | 0 |
| C'n'mble | g | 71 | 45 | 0 |
| Kempsey | . | — | | — |
| Walcha.. | c | [illegible] | 28 | 0 |
| Tamw'rth | . | — | | — |
| Coonab'n. | b | 72 | 38 | 0 |
| P. M'cqrie | g | 69 | 48 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 63 | 48 | 0 |
| Taree. | b | 70 | 44 | 0 |
| Cassilis | g | 65 | 45 | 0 |
| Muss'br'k | g | 72 | 44 | 0 |
| Dubbo . | g | 64 | 46 | 0 |
| Menindie. | r | 71 | 45 | 0·18 |
| Singleton | g | 69 | 46 | 0 |
| Nels'n's B. | g | 86 | 44 | 0 |
| Mudg | g | 74 | 39 | 0 |
| Maitland. | b | 61 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 50 | 0 |
| Orange .. | . | — | — | — |
| Bathurst | g | 66 | 39 | 0 |
| Forbes .. | g | 63 | 55 | 0 |
| M. Vict'ria | c | 54 | 48 | 0 |
| Carcoar . | g | 59 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 69 | 46 | 0 |
| Picton .. | g | 66 | 37 | 0 |
| Sydney .. | g | 65 | 52 | 0 |
| Wentw'th | r | 67 | 42 | 0·64 |
| Young . | g | 84 | 41 | 0 |
| Woll'g'ng | c | 75 | 50 | 0 |
| Taralga.. | g | 65 | — | 0 |
| Hay .... | p | 65 | 52 | 0·03 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 60 | 49 | 0 |
| Euston | r | 67 | 42 | 0·47 |
| G'lburn | g | 67 | 36 | 0 |
| Wagga. | g | 62 | 28 | 0·03 |
| C Geo' | c | 71 | 51 | 0 |

| Stations. | wt | M. | [illegible] | [illegible] |
|---|---|---|---|---|
| Queanbe'an | g | 56 | 36 | 0 |
| Deniliquin. | r | 62 | 52 | 0·26 |
| Moruya .. | g | 62 | 44 | 0 |
| Kiaudra.. | d | 51 | 31 | 0·38 |
| Albury ... | r | 65 | 38 | 0·21 |
| Bodalla.. | g | 69 | 32 | 0 |
| Cooma .... | g | 65 | 34 | 0 |
| Eden .... | g | 69 | 57 | 0 |

*Curve showing state of Barometer.*

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·30 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. [illegible] 1883.

Sydney Observatory.

Lat. [illegible] Long. 10h. 4m. 50·81s. E.

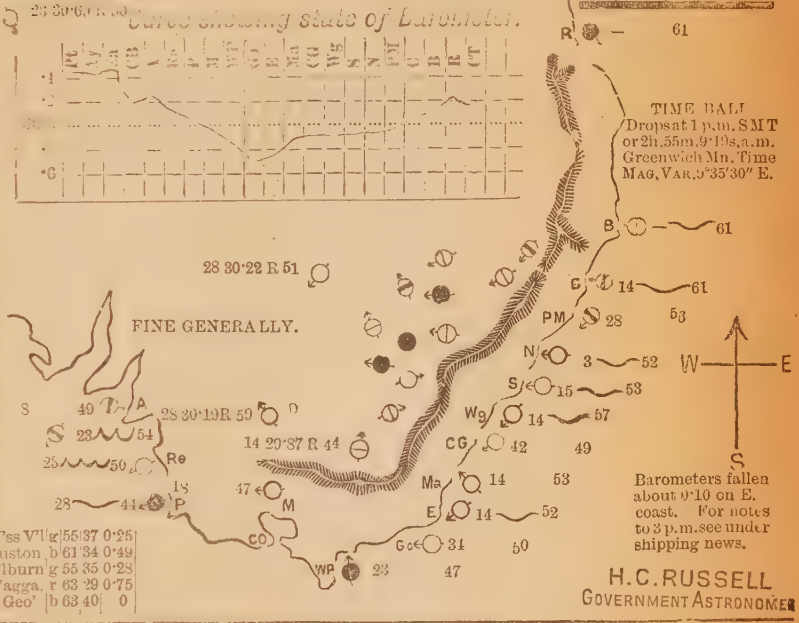
Average Annual Rainfall for 24 years [illegible]·40.

Average for [illegible] years from [illegible] 1st to [illegible] 25·493

Total Rainfall from Jan. 1st to [illegible] 31·695

Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | WT | M.X | MN | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 53 | 40 | 0·93 | |
| Deniliquin. | b | 62 | 41 | 0·80 | |
| Moruya .. | b | 67 | 49 | 0 | |
| Kiandra.. | g | 43 | 21 | 3·65 | |
| Albury ... | g | 54 | 42 | 1·45 | |
| Bodalla.. | | 72 | 35 | 0 | |
| Cooma .... | c | 57 | 31 | 0·46 | |
| Eden .... | b | 65 | 47 | | |




| Stations. | | | | |
|---|---|---|---|---|
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | b | 68 | 16 | 0 |
| [illegible] | | | | |
| Ar[illegible] | b | [illegible] | | 0·45 |
| Pe[illegible] | b | 63 | 30 | 0·82 |
| G[illegible]'h | c | 66 | 47 | 0 |
| C[illegible] | g | 61 | [illegible] | 0·47 |
| K[illegible] | | | | |
| W[illegible] | | | | |
| T[illegible] | | | | |
| Coo[illegible] | | | | |
| P. M[illegible] | | | | 0 |
| W'lcannia | | — | — | — |
| Murr'ndi. | p | 65 | 44 | 0·95 |
| Taree. | c | 71 | 53 | 0 |
| Cassilis | g | 65 | 38 | 0·65 |
| Muss'br'k | g | 67 | 44 | 0·53 |
| Dubbo . | g | 64 | 44 | 0·53 |
| Menindie. | . | — | — | — |
| Singleton | b | 61 | 43 | 0·26 |
| Nels'n's B | b | 74 | [illegible] | 0·05 |
| 18 54 | | | | |
| Mudg | p | 61 | [illegible] | [illegible] |
| Maitland. | b | 63 | [illegible] | 0·30 |
| Hill End. | . | — | — | — |
| N'weastle | b | [illegible] | [illegible] | 0·01 |
| Orange .. | p | 57 | 34 | 1·60 |
| Bathurst | g | [illegible] | [illegible] | [illegible] |
| Forbes .. | c | 63 | 42 | 0·12 |
| M. Vict'ria | g | 57 | [illegible] | [illegible] |
| Carcar . | . | — | — | — |
| C[illegible] | . | — | | |
| Marsdens | p | [illegible] | [illegible] | [illegible] |
| Pi[illegible] .. | b | [illegible] | [illegible] | [illegible] |
| Sydney .. | b | 67 | 51 | 0·08 |
| Wentw'th | . | — | — | — |
| Young . | b | 67 | 39 | 1·14 |
| Woll'g'ng | b | 79 | 46 | 0 |
| Taralga.. | b | 59 | — | 1·12 |
| Hay .... | b | [illegible] | [illegible] | ·68 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 55 | 37 | 0·25 |
| Euston | b | 61 | 34 | 0·49 |
| G'lburn | g | 55 | 35 | 0·28 |
| Wagga. | r | 63 | 29 | 0·75 |
| C Geo' | b | 63 | 40 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 14 1893.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall, [illegible] years [illegible].

Average for 25 years from Jan. 1st to May 31 25·495

Total Rainfall from Jan. 1st to Aug. 14 31·695

Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | W | M | N | Rainfall |
|---|---|---|---|---|---|
| Queanbe'an | b | 48 | 28 | | 0 |
| Deniliquin. | b | 56 | 38 | | 0 |
| Moruya .... | b | 63 | -2 | | 0 |
| Kiandra... | s | 47 | 22 | | 0·09 |
| Albury ... | g | 52 | 40 | | 0·08 |
| Bodalla.. | b | 65 | 24 | | 0 |
| Cooma .... | n | 53 | 20 | | 0 |
| Eden .... | b | 59 | 52 | | 0 |

Showing State of Barometer.

TIME BALL
Drops at 1 p.m. S.M.T.
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

FINE GENERALLY.

Barometers risen about 0·30 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 15 1893.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long 1ch. 4m. 50·31s. E.*

Average Annual Rainfall for 24 years .... .... 50·640.

Average for [illegible] years from Jan. 1st to May 31 25·493

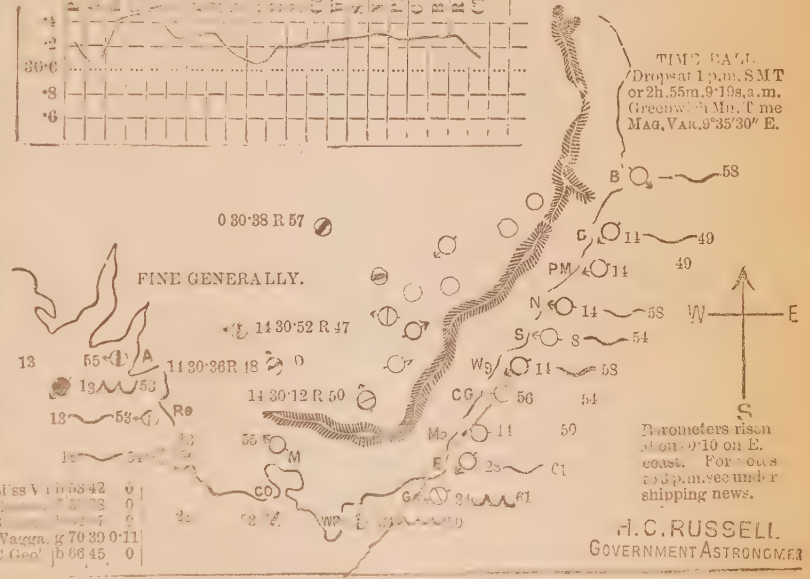
Total Rainfall from Jan. 1st to Aug. 15 31·695

Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | | | | |
|---|---|---|---|---|
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Meree | . | — | — | — |
| Grafton | b | 73 | 13 | 0 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Narrabri | b | 64 | 43 | 0 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Gunned'h | b | 67 | 44 | 0 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Coonab'n | b | 61 | 46 | 0 |
| P. [illegible] | b | [illegible] | [illegible] | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi | b | 53 | 39 | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| Cassilis | b | 55 | 43 | 0 |
| Muss'br'k | b | 61 | 42 | 0 |
| Dubbo | b | 63 | 39 | 0 |
| Menindie | g | 66 | 55 | 0 |
| Singleton | b | 61 | 46 | 0 |
| [illegible] | b | 7[illegible] | 45 | 0 |
| [illegible] | | 61 | [illegible] | 0 |
| [illegible] | | [illegible] | [illegible] | 0 |
| [illegible] | | — | — | — |
| [illegible] | b | [illegible] | [illegible] | 0 |
| Orange | b | 45 | 29 | 0 |
| Bathurst | b | 50 | 41 | 0 |
| Forbes | g | 63 | 48 | 0 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Sarcoar | g | 47 | 39 | 0·03 |
| [illegible] | | — | — | — |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible]entw'th | c | 59 | 12 | 0 |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| [illegible] | | [illegible] | [illegible] | [illegible] |
| Taralga | b | 50 | — | 0 |
| [illegible] | | 50 | 22 | 0 |

| | | | |
|---|---|---|---|
| Miss V[illegible] | b | 53 | 42 | 0 |
| [illegible] | | [illegible] | [illegible] | 0 |
| [illegible] | | [illegible] | [illegible] | 0 |
| Wagga | g | 70 | 39 | 0·11 |
| C. Geo' | b | 66 | 45 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| Queanbe'an | b | 51 | 10 | 0 |
| Deniliquin | g | 58 | 40 | 0·11 |
| Moruya | b | 69 | 41 | 0 |
| Kiandra | c | 48 | 20 | 1·40 |
| Albury | g | 52 | 46 | 0·11 |
| Bodalla | b | 72 | 26 | 0 |
| Cooma | a | 59 | 28 | 0 |
| Eden | b | 62 | 50 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 16 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

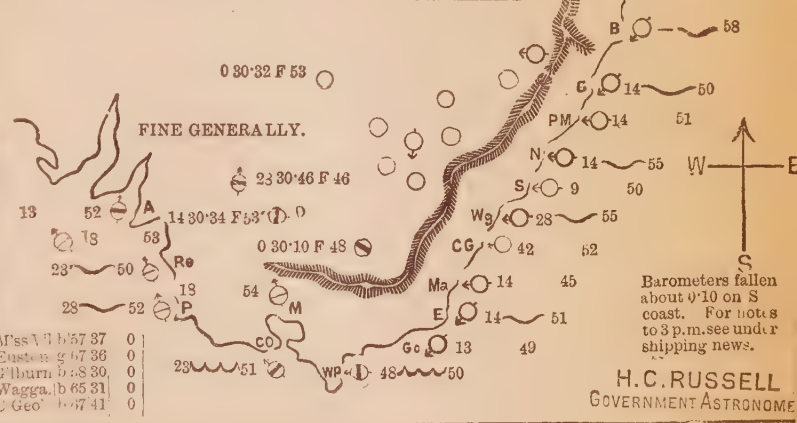
Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 16 31·697
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | | |
|---|---|---|---|
| Queanbe'an . | | — — | — |
| Deniliquin. | g | 60 46 | 0 |
| Moruya .. . | b | 70 38 | 0 |
| Kiandra.. | n | 45 17 | 0 |
| Albury ... | g | 55 46 | 0 |
| Bodalla.. | b | 72 23 | 0 |
| Cooma ... | n | 65 21 | 0 |
| Eden .... | b | 65 48 | 0 |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | 0 |
| Clarence . | b | 63 49 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | b | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | b | [illegible] | 0 |
| Armidale. | n | [illegible] | 0 |
| Bendem'r | b | 54 23 | 0 |
| Gunned'h | b | 71 38 | 0 |
| C'nimble | b | [illegible] | 0 |
| Kempsey | . | — — | — |
| Walcha.. | b | 52 25 | 0 |
| Tamw'rth | . | — — | — |
| Coonab'n. | n | 62 26 | 0 |
| P. M'cqrie | b | 65 43 | 0 |
| W'lcannia | . | — — | — |
| Murr'ndi. | b | 55 35 | 0 |
| Taree.. | b | 68 36 | 0 |
| Cassilis | n | 55 35 | 0 |
| Muss'br'k | b | 66 37 | 0 |
| Dubbo . | b | 63 36 | 0 |
| Menindie. | b | 63 44 | 0 |
| Singleton | b | 64 41 | 0 |
| Nels'n's B. | b | 86 42 | 0 |
| 18 59 Mudg | b | 74 29 | 0 |
| Maitland. | b | 60 38 | 0 |
| Hill End. | | — — | — |
| N'wcastle | b | 68 44 | 0 |
| Orange .. | b | 49 34 | 0 |
| Bathurst | b | 55 31 | 0 |
| Forbes .. | b | 57 46 | 0 |
| M.Vict'ria | b | 51 40 | 0 |
| Carcoar . | b | 52 33 | 0 |
| Cond'b'lin | . | — — | — |
| Marsdens | b | 61 40 | 0 |
| Picton .. | b | 64 31 | 0 |
| Sydney .. | b | 64 45 | 0 |
| Wentw'th | g | 61 42 | 0 |
| Young . | b | 67 30 | 0 |
| Woll'g'ng | b | 73 41 | 0 |
| Taralga.. | b | 53 — | 0 |
| Hay .... | g | 60 23 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 57 37 | 0 |
| Euston | g | 67 36 | 0 |
| G'lburn | b | 58 30 | 0 |
| Wagga. | b | 65 31 | 0 |
| C'Geo' | b | 67 41 | 0 |

0 30·46 S 55 *Curve showing state of Barometer*




Barometers fallen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOME

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 17 31·697
Barometers corrected to 32° Fah. and Mean Sea Level.

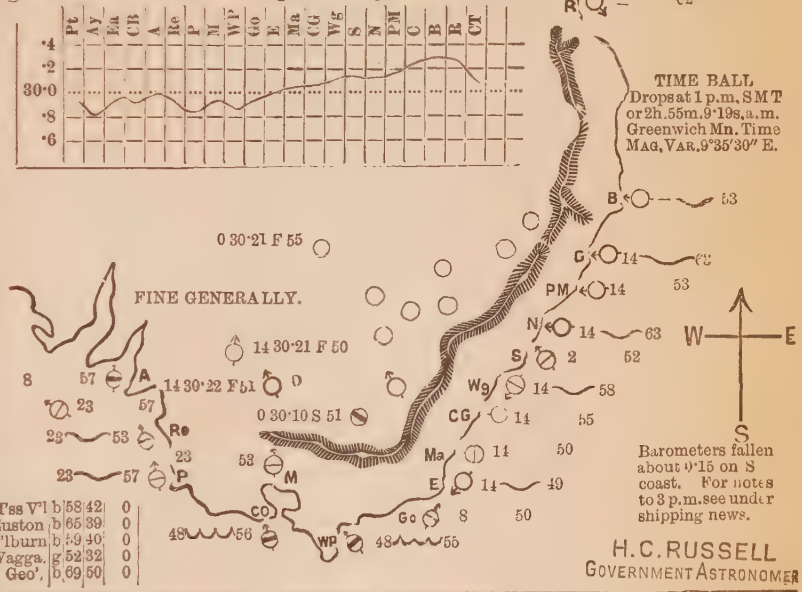
0 30·40 R 60 *Curve showing state of Barometer.*




| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 78 | 35 | 0 |
| Tent'rfield | b | 70 | 30 | 0 |
| Clarence . | b | 69 | 54 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 72 | 48 | 0 |
| Gl n Inn's | n | 63 | 30 | 0 |
| Inverell. | b | 65 | 20 | 0 |
| Bourke .. | b | 67 | 42 | 0 |
| Narrabri . | b | 68 | 38 | 0 |
| Armidale. | n | 58 | — | 0 |
| Bendem'r | n | 63 | 24 | 0 |
| Gunned'h | n | 71 | 40 | 0 |
| C'n'mble | b | 62 | 35 | 0 |
| Kempsey . | . | — | — | — |
| Walcha.. | b | 58 | 25 | 0 |
| Tamw'rth | b | 68 | — | 0 |
| Coonab'n. | n | 66 | 27 | 0 |
| P. M'cqrie | b | 66 | 43 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 55 | 45 | 0 |
| Taree.. | b | 69 | 37 | 0 |
| Cassilis | n | 60 | 36 | 0 |
| Muss'br'k | b | 70 | 35 | 0 |
| Dubbo .. | b | 60 | 37 | 0 |
| Menindie. | b | 65 | 45 | 0 |
| Singleton | b | 62 | 48 | 0 |
| Nels'n's B. | n | 79 | 46 | 0 |
| 28 68 | | | | |
| Mudg | b | 69 | 28 | 0 |
| Maitland. | c | 64 | 49 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 69 | 51 | 0 |
| Orange .. | b | 51 | 33 | 0 |
| Bathurst | b | 64 | 30 | 0 |
| Forbes .. | b | 56 | 42 | 0 |
| M. Vict'ria | b | 58 | 46 | 0 |
| Carcoar . | b | 52 | 35 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 64 | 40 | 0 |
| Picton .. | b | 66 | 34 | 0 |
| Sydney .. | c | 66 | 50 | 0 |
| Wentw'th | b | 62 | 24 | 0 |
| Young .. | b | 75 | 35 | 0 |
| Woll'g'ng | c | 76 | 49 | 0 |
| Taralga.. | b | 58 | — | 0 |
| Hay .. .. | b | 60 | 23 | 0 |

| Stations. | WT | M | N | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 50 | 35 | | 0 |
| Deniliquin. | b | 59 | 42 | | 0 |
| Moruya .. .. | g | 66 | 48 | | 0 |
| Kiandra.. | n | 44 | 17 | | 0 |
| Albury ... | g | 55 | 36 | | 0 |
| Bodalla.. | b | 60 | 21 | | 0 |
| Cooma .... | c | 56 | 29 | | 0 |
| Eden .. .. | b | 58 | 48 | | 0 |

| | | | | |
|---|---|---|---|---|
| Mss V'l | b | 58 | 42 | 0 |
| Euston | b | 65 | 39 | 0 |
| G'lburn | b | 59 | 30 | 0 |
| Wagga. | g | 52 | 32 | 0 |
| C Geo', | b | 69 | 50 | 0 |




TIME BALL
Drops at 1 p.m, SMT
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E.

Barometers fallen about 0·15 on S coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 18 1883.

Sydney Observatory.

*Lat. 33° 51′ 41″ S.; Long. 10h. 4m. 50·81s. E.*

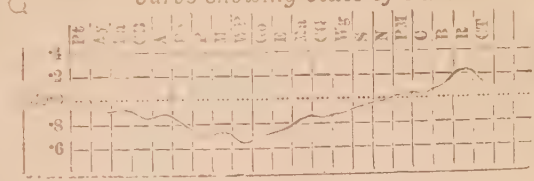
Average Annual Rainfall for 24 years .... .... 50·640.

Average [illegible] Jan. 1st to May 31 25·493

Total [illegible] 1st to Aug. 18 31·607

[illegible] corrected to 32° Fah and Mean Sea Level.

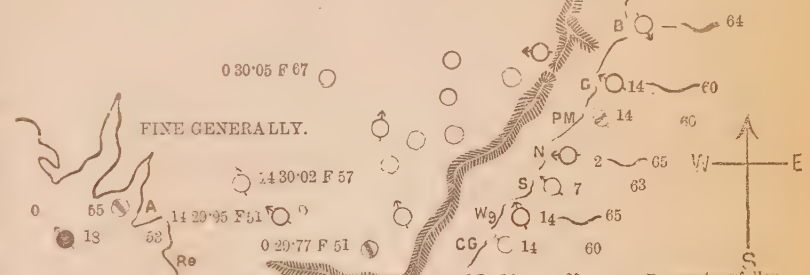
830·24 F 71 *Curve showing state of Barometer.*




| Stations. | | WT | M | [illegible] | [illegible] |
|---|---|---|---|---|---|
| Queanbeyan | b | 56 | 45 | | 0 |
| Deniliquin. | . | — | — | | — |
| Moruya . . | g | 69 | 19 | | 0 |
| Kiandra... | n | 45 | 27 | | 0 |
| Albury ... | g | 61 | 49 | | 0·05 |
| Bodalla , | g | 69 | 38 | | 0 |
| Cooma ... | c | 55 | 44 | | 0 |
| Eden .... | g | 62 | 54 | | 0 |

| | | | | |
|---|---|---|---|---|
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| [illegible] | | | | |
| Grafton | b | 83 | 52 | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | — |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | 0 |
| [illegible] | | | | — |
| [illegible] | | | | 0 |
| [illegible] | | | | — |
| Coonab'n. | b | 69 | 30 | 0 |
| [illegible] | | | | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 60 | 50 | 0 |
| Taree. | b | 77 | 45 | 0 |
| Cassilis | b | 62 | 35 | 0 |
| Muss'br'k | b | 62 | 40 | 0 |
| Dubbo . | b | 62 | 40 | 0 |
| Menindie. | b | 74 | 55 | 0 |
| Singleton | b | 71 | 50 | 0 |
| Nels'n's B | b | 88 | 44 | 0 |
| [illegible] 55 | | | | |
| [illegible] Mudg | n | 70 | 30 | 0 |
| Maitland. | b | 70 | 45 | 0 |
| Hill End. | . | — | — | — |
| N[illegible]castle | b | 71 | 53 | 0 |
| Orange .. | n | 52 | 32 | 0 |
| [illegible] | b | 63 | 34 | 0 |
| F[illegible] .. | b | 59 | 49 | 0 |
| M[illegible]'ria | b | 5[illegible] | 54 | 0 |
| [illegible] | b | 54 | 40 | 0 |
| [illegible] | . | — | — | — |
| [illegible] | b | 6[illegible] | 47 | 0 |
| [illegible] | b | 70 | 46 | 0 |
| [illegible] | b | 71 | 55 | 0 |
| Wentw'th. | b | 77 | 49 | 0 |
| Young . | b | 72 | 37 | 0 |
| [illegible] | b | 7[illegible] | 52 | 0 |
| Taralga.. | b | 58 | — | 0 |
| [illegible] | b | 68 | 49 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 58 | 19 | 0 |
| Euston | b | 73 | 45 | 0 |
| G'lburn | b | 61 | 37 | 0 |
| Wagga. | b | 64 | 38 | 0 |
| C Geo' | b | 72 | 56 | 0 |




Barometers fallen about 0·15 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 20 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | .... .... | 50·640. |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | Aug. 20 | 31·697 |

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 92 | 53 | 0 |
| Tent'rfield | b | 78 | 44 | 0 |
| Clarence . | b | 70 | 62 | 0 |
| Moree . | . | – | – | — |
| Grafton | b | 85 | 50 | 0 |
| Gl'n Inn's | b | 70 | 40 | 0 |
| Inverell . | b | 72 | 39 | 0 |
| Bourke | b | 83 | 57 | 0 |
| Narrabri . | g | 80 | 55 | 0 |
| Armidale. | b | 67 | | 0 |
| Pendem'r | b | 63 | 36 | 0 |
| Gunned'h | g | 84 | 50 | 0 |
| C'n'ml'le | b | 80 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 68 | 45 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 77 | 57 | 0 |
| P. M'cq'rie | b | 71 | 55 | 0 |
| W'lcannia | . | — | — | 0·15 |
| Murr'ndi . | g | 73 | 57 | 0 |
| Taree | c | 70 | 52 | 0 |
| Cassilis | g | 73 | 40 | 0 |
| Muss'br'k | g | 79 | 60 | 0 |
| Dubbo . | g | 69 | 40 | 0 |
| Menindie. | c | 71 | 43 | 0 |
| Singleton | b | 84 | 53 | 0 |
| Nels'n's B' | g | 78 | 55 | 0 |
| Mudg | g | 78 | 37 | 0 |
| Maitland. | g | 79 | 51 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 84 | [illegible] | 0 |
| Orange .. | g | 60 | 44 | 0 |
| Bathurst | g | 72 | 42 | 0·02 |
| Forbes .. | g | 61 | 36 | 0 |
| M. Vict'ria | b | 61 | 49 | 0 |
| Carcoar . | g | 62 | 47 | 0·07 |
| Cond'b'lin | . | — | — | — |
| Mars'lens | g | 74 | 49 | 0 |
| Picton .. | c | [illegible] | [illegible] | 0·01 |
| Sydney . | c | 81 | 60 | 0 |
| Went'w'th | g | [illegible] | [illegible] | 0 |
| Young . | p | 70 | [illegible] | 0·06 |
| Woll'g'ng | c | 75 | 49 | 0 |
| Taralga.. | g | 75 | — | 0 |
| Hay .. | g | 74 | 40 | 0 |
| M'ss V'l'e | | 57 | 50 | 0 |
| Euston | c | 66 | 42 | 0·01 |
| G'lburn | g | 64 | 42 | 0 |
| Wagga. | g | 71 | 39 | 0 |
| C Geo' | g | 65 | 50 | 0 |

| Stations. | WT | MX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 62 | 30 | 0·04 |
| Deniliquin. | g | 70 | 45 | 0·03 |
| Moruya .. | g | 72 | 50 | 0 |
| Kiandra.. | s | 50 | 27 | 0 |
| Albury ... | g | 62 | 44 | 0·11 |
| Bodalla . | b | 83 | 38 | 0 |
| Cooma .... | c | 66 | 36 | 0 |
| Eden .... | b | 60 | 47 | 0 |

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 21 1883.

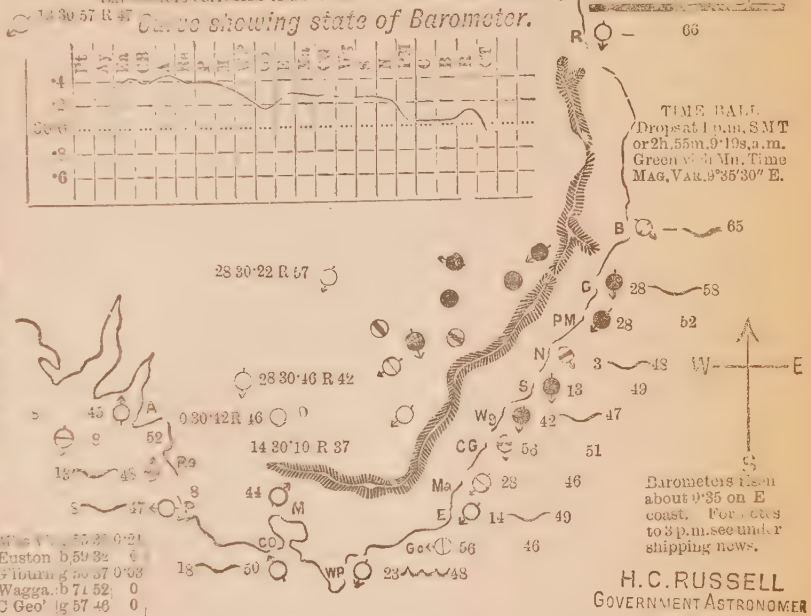
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·40.
Average for [illegible] years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 21 32·829
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | | | |
|---|---|---|---|
| Casino . | r | 82 40 | 0 |
| [illegible] | | | |
| Clarence . | r | 71 62 | 0·01 |
| [illegible] | | | |
| [illegible] | | | |
| [illegible] | | | |
| [illegible] | | | |
| [illegible] | | | |
| [illegible] | | | |
| Armidale. | r | [illegible] | 0 |
| Bendem'r. | r | 55 39 | 0·82 |
| Gunned'h | g | 76 50 | 0·68 |
| C'n'mble | b | 57 42 | 0·25 |
| [illegible] | | — | — |
| [illegible] | r | [illegible] | ·97 |
| Tamw'rth. | | — | — |
| Coonab'n. | p | 63 38 | 0·64 |
| P. M[illegible] | r | [illegible] | 0·48 |
| W'lcannia | . | — | 0·20 |
| Murr'ndi. | r | 69 51 | 1·53 |
| Taree. | r | 70 49 | 0·80 |
| Cassilis | r | 65 45 | 1·05 |
| Muss'br'k | r | 80 43 | 1·56 |
| Dubbo . | r | | — |
| Menindie. | b | [illegible] | 0 |
| Singleton | r | [illegible] | 1·95 |
| Nels'n's B. | r | 73 46 | 1·55 |
| [illegible] 8 52 | | | |
| [illegible] Mnds. | g | [illegible] | 0·45 |
| Maitland. | r | 70 48 | 1·34 |
| Hill E[illegible] | | — | 0·53 |
| [illegible] | | [illegible] | 1·44 |
| Orange .. | g | [illegible] | 0·45 |
| [illegible] | | [illegible] | 0·35 |
| Forbes .. | g | 61 43 | 0·20 |
| [illegible] | | | |
| [illegible] | | [illegible] | 0·36 |
| [illegible] | | — | — |
| Marsdens | c | 52 42 | 0 |
| [illegible] | | [illegible] | 0·43 |
| [illegible] | | [illegible] | 1·13 |
| [illegible] | | | |
| Young . | g | 68 35 | 0·08 |
| Wolf g'ng | p | 63 41 | 1·14 |
| Taralga.. | g | 60 — | 0·30 |
| Hay .... | b | 72 34 | 0 |

| Stations. | | | |
|---|---|---|---|
| Queanbe'an | g | 51 36 | 0 |
| Deniliquin. | b | 57 30 | 0 |
| Moruya .. | g | 67 43 | 0 |
| Kiandra.. | n | 41 19 | 0 |
| Albury ... | b | 62 32 | 0·02 |
| Bodalla . | b | [illegible] 32 | 0 |
| Cooma ... | n | 52 27 | 0 |
| Eden .... | p | 60 47 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 22 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for [illegible] years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 22 33·499
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | | WT | MAX | MIN | RAIN |
|---|---|---|---|---|---|
| Queanbe'an | b | 50 | 30 | 0 | |
| Deniliquin. | b | 58 | 29 | 0 | |
| Moruya .. | b | 63 | 36 | 0 | |
| Kiandra.. | n | 55 | 18 | 0 | |
| Albury ... | b | 53 | 33 | 0 | |
| Bodalla . | n | 61 | 22 | 0 | |
| Cooma .... | n | 57 | 20 | 0 | |
| Eden .... | b | 58 | 39 | 0 | |

| Stations | | WT | MAX | MIN | RAIN |
|---|---|---|---|---|---|
| Casino . | c | [illegible] | [illegible] | [illegible] | [illegible] |
| T[illegible] | g | [illegible] | [illegible] | [illegible] | [illegible] |
| Clarence . | r | 65 | 54 | 0·56 | |
| M[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Grafton | c | [illegible] | [illegible] | [illegible] | [illegible] |
| G[illegible] | c | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | [illegible] | [illegible] |
| N[illegible] | g | [illegible] | [illegible] | [illegible] | [illegible] |
| Armidale. | g | [illegible] | [illegible] | [illegible] | [illegible] |
| Bendem'r | r | 53 | 33 | 0·30 | |
| G[illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| C[illegible] | b | [illegible] | [illegible] | 0 | |
| K[illegible] | [illegible] | — | — | — | |
| Walcha.. | g | 49 | 33 | 0·55 | |
| Tamw'rth | b | [illegible] | — | 0·19 | |
| Coonab'n. | g | 48 | 37 | 0 04 | |
| P. M[illegible] | c | [illegible] | [illegible] | 1·77 | |
| W[illegible] | [illegible] | — | — | — | |
| Murr'ndi. | p | [illegible] | [illegible] | [illegible] | |
| Taree. | c | 54 | 49 | 0·20 | |
| Cassilis | g | 65 | 45 | 0·24 | |
| Muss'br'k | g | 57 | 43 | 0 | |
| Dubbo . | b | 67 | 42 | 0 | |
| Menindie. | b | 61 | 39 | 0 | |
| Singleton | g | [illegible] | [illegible] | 0·46 | |
| Nels'n's B | c | 74 | 46 | 1·00 | |
| 13 56 Mudg | g | 56 | 37 | 0·05 | |
| Maitland. | p | [illegible] | [illegible] | 1·13 | |
| Hill End. | [illegible] | — | — | 0·15 | |
| Newcastle | p | [illegible] | [illegible] | [illegible] | |
| Orange .. | b | 39 | 31 | 0·10 | |
| Bathurst | [illegible] | [illegible] | [illegible] | [illegible] | |
| Forbes .. | b | 69 | 40 | 0 | |
| M. V[illegible] | g | [illegible] | [illegible] | [illegible] | |
| Car[illegible] | [illegible] | [illegible] | [illegible] | 0·16 | |
| C[illegible] | [illegible] | — | — | — | |
| Marsdens | b | [illegible] | [illegible] | 0 | |
| Pic[illegible] .. | b | [illegible] | [illegible] | [illegible] | |
| Sydney | p | 57 | 46 | 0·67 | |
| Wentw'th | [illegible] | [illegible] | 34 | 0 | |
| Young . | b | 66 | 30 | 0 | |
| Woll'g'ng | b | 66 | 42 | 0·07 | |
| Taralga.. | g | 65 | — | 0 | |
| Hay .. | b | 71 | 34 | 0 | |

| | | | | |
|---|---|---|---|---|
| M'ss V[illegible] | [illegible] | [illegible] | [illegible] | 0 |
| Euston | b | 63 | 26 | 0·13 |
| G'lburn | b | 61 | 28 | 0 |
| Wagga. | [illegible] | [illegible] | [illegible] | 0 |
| C Geo | b | [illegible] | 43 | 0·05 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 23 1883.

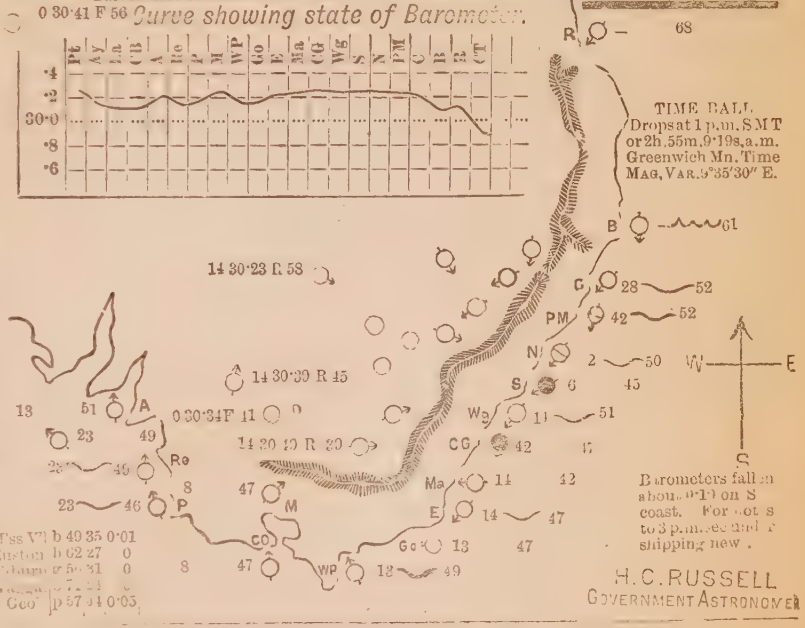
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 23 34·181
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | MIN | R'in |
|---|---|---|---|---|
| Casino . | b | 63 | 42 | 0·07 |
| Tenterfield | b | 73 | 38 | 0·22 |
| Clarence . | b | 62 | 51 | 0·35 |
| Moree . | b | — | — | 0·22 |
| Grafton | b | 63 | [illegible] | 0 |
| Glen Inn's | b | 57 | 35 | 0 |
| Inverell. | b | 73 | 27 | 0·15 |
| Bourke | b | 64 | 43 | 0 |
| Narrabri. | b | 63 | 63 | 0 |
| Armidale. | g | 48 | — | 0·02 |
| Bendem'r | g | 45 | 24 | 0·10 |
| Gunned'h | . | — | — | — |
| Cinnible | b | 61 | 36 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 46 | — | 0 |
| Tamw'rth | b | 59 | . | 0 |
| Coonab'n. | b | 55 | 26 | 0 |
| P. M'cqrie | g | 62 | 44 | 0·02 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 52 | 40 | 0 |
| Taree. | b | 60 | 45 | 0·03 |
| Cassilis | b | 55 | 38 | 0 |
| Muss'br'k | b | 60 | 36 | 0·03 |
| Dubbo . | b | 69 | 39 | 0 |
| Menindie. | b | 61 | 48 | 0 |
| Singleton | b | 58 | 44 | 0·06 |
| Nels'n's B. | b | 76 | - | 1·50 |
| 8 61 | | | | |
| Mudg | b | 64 | 31 | 0 |
| Maitland. | g | 57 | 48 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | c | 55 | 45 | 0·79 |
| Orange .. | b | 47 | 29 | 0 |
| Bathurst | b | 52 | 27 | 0 |
| Forbes .. | b | 57 | 44 | 0 |
| M.Victoria | b | 41 | [illegible] | [illegible]·12 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | . | — | — | — |
| Marsdens | b | 61 | — | 0 |
| Picton .. | b | 56 | 33 | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | b | 64 | 31 | 0 |
| [illegible] | b | 72 | 30 | 0 |
| [illegible] | b | 62 | [illegible] | 0 |
| [illegible] | [illegible] | 55 | — | 0 |
| [illegible] .... | b | 70 | 52 | 0 |

| Stations. | WT | M.X | MIN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 51 | 33 | 0 |
| Deniliquin. | b | 60 | 29 | 0 |
| Moruya .. . | b | 60 | 37 | 0·18 |
| Kiandra .. | b | 51 | 15 | 0 |
| Albury ... | g | 61 | 32 | 9 |
| Bodalla.. | b | 63 | 28 | 0 |
| Cooma .... | b | 60 | 21 | 0 |
| Eden .... | b | 59 | 40 | 0 |



# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. AUGUST 24 1888.

Sydney Observatory.

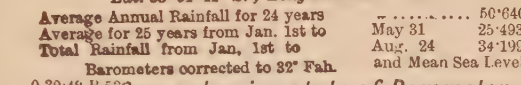
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 24 34·199

Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·48 R 58

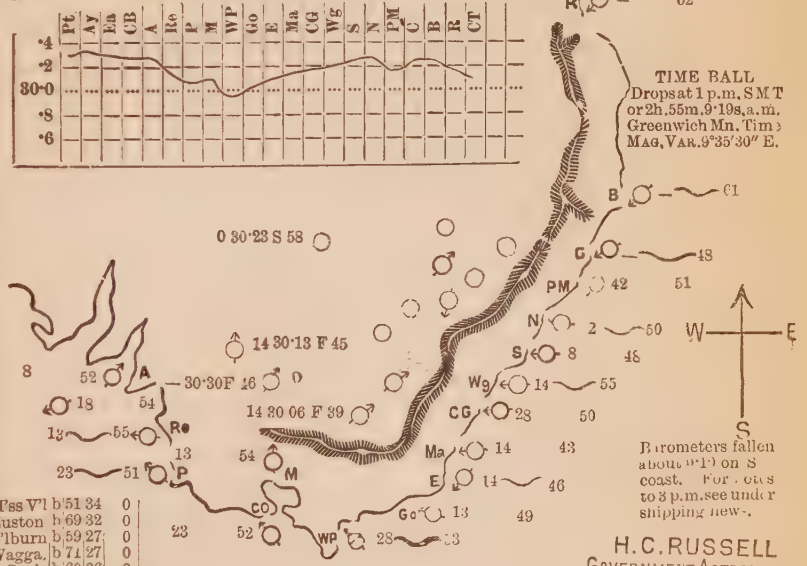
*Curve showing state of Barometer.*




| Stations. | wt | M'x | Mo | R'in |
|---|---|---|---|---|
| Casino .. | b | 71 | 34 | 0 |
| Tent'rfield | b | 60 | 32 | 0 |
| Clarence . | b | 57 | 48 | 0 |
| Moree .. | b | .. | — | 0 |
| Grafton .. | b | 70 | 46 | 0 |
| Gl n Inn's | b | 55 | 33 | 0 |
| Inverell .. | b | 71 | 25 | 0 |
| Bourke .. | b | 67 | 42 | 0 |
| Narrabri . | b | 62 | 53 | 0 |
| Armidale. | b | 52 | — | 0 |
| Bendem'r | b | 42 | 2 | 0 |
| Gunned'h | b | 70 | 38 | 0 |
| C'n'mble | b | 61 | 32 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 52 | 23 | 0 |
| Tamw'rth | b | 58 | — | 0 |
| Coonab'n. | b | 59 | 25 | 0 |
| P. M'cqrie | b | 61 | 42 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 53 | 34 | 0 |
| Taree.. | b | 61 | 41 | 0 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | b | 63 | 33 | 0 |
| Dubbo .. | . | — | — | — |
| Menindie. | b | 61 | 41 | 0 |
| Singleton | b | 51 | 49 | 0 |
| Nels'n's R. | b | 79 | 43 | 0·10 |
| 0 56 | | | | |
| Mudg | b | 69 | 27 | 0 |
| Maitland. | b | 57 | 38 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 58 | 40 | 0·03 |
| Orange .. | n | 46 | 28 | 0 |
| Bathurst | n | 58 | 27 | 0 |
| Forbes .. | . | — | — | — |
| M. Vict'ria | b | 44 | 37 | 0 |
| Carcoar . | b | 50 | 32 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | n | 64 | 40 | 0 |
| Picton .. | — | — | — | — |
| Sydney .. | b | 56 | 43 | 0·18 |
| Wentw'th | b | 66 | 35 | 0 |
| Young .. | b | 77 | 31 | 0 |
| Woll'g'ng | b | 66 | 39 | 0 |
| Taralga.. | b | 47 | — | 0 |
| Hay .. .. | b | 70 | 32 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 51 | 34 | 0 |
| Euston | b | 69 | 32 | 0 |
| G'lburn | b | 59 | 27 | 0 |
| Wagga. | b | 71 | 27 | 0 |
| C Geo'. | b | 60 | 36 | 0 |

| Stations. | WT | M.X | MO | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 51 | 31 | 0 |
| Deniliquin. | b | 63 | 33 | 0 |
| Moruya .. .. | b | 60 | 55 | 0 |
| Kiandra.. | b | 51 | 19 | 0 |
| Albury .... | b | 60 | 33 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma .... | b | 61 | 19 | 0 |
| Eden .. .. | b | 56 | 45 | 0 |




Barometers fallen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 25 1883.

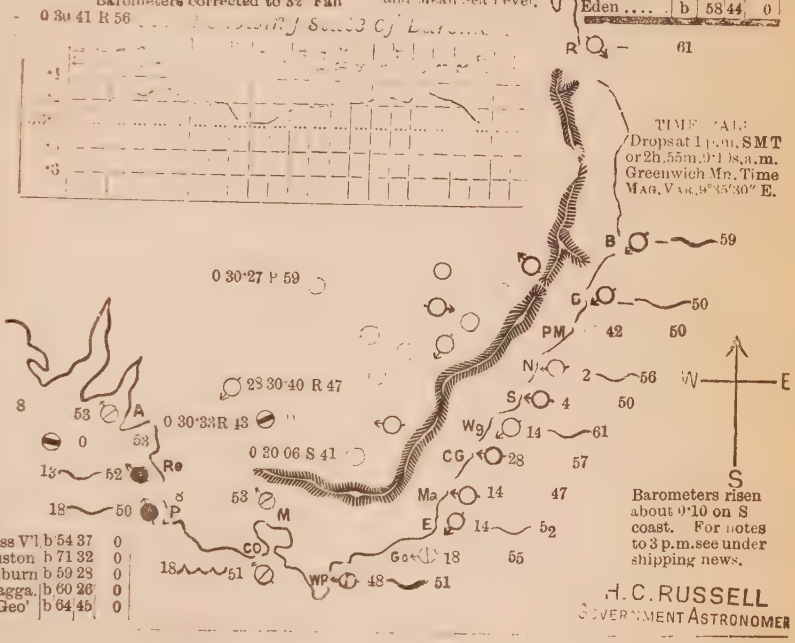
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years [illegible]·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 25 34·199
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS | WT | MAX | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 74 | 33 | 0 |
| Tent'rfield | b | 60 | 30 | 0 |
| Clarence . | b | 59 | 48 | 0 |
| Moree | . | — | — | — |
| Grafton | b | 75 | 42 | 0 |
| Glen Inn's | n | 57 | 3 | 0 |
| Inverell | b | 71 | 23 | 0 |
| Bourke | b | 70 | 42 | 0 |
| Narrabri . | b | 63 | 39 | 0 |
| Armidale. | b | 52 | — | 0 |
| Bendem'r | b | 41 | 37 | 0 |
| Gunned'h | b | 70 | 37 | 0 |
| C'n'mble | b | 63 | 33 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 53 | 29 | 0 |
| Tamw'rth | n | — | | 0 |
| Coonab'n. | b | 62 | 23 | 0 |
| P. M'cqrie | b | 64 | 41 | 0 |
| W'lcannia. | . | — | — | — |
| Murr'ndi . | b | 56 | 36 | 0 |
| Taree. | b | 65 | 40 | 0 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | b | 63 | 36 | 0 |
| Dubbo . | b | 64 | 37 | 0 |
| Menindie. | b | 71 | 45 | 0 |
| Singleton | b | 62 | 42 | 0 |
| Nels'n's B | b | 75 | 44 | 0 |
| 18 56 Mudg | b | 70 | 27 | 0 |
| Maitland. | b | 58 | 39 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 65 | 45 | 0 |
| Orange .. | n | 47 | 29 | 0 |
| Bathurst | n | 57 | 27 | 0 |
| Forbes .. | b | 57 | 43 | 0 |
| M. Vict'ria | b | 49 | 43 | 0 |
| Carcoar . | b | 51 | 31 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 67 | 40 | 0 |
| Picton .. | b | 62 | 29 | 0 |
| Sydney .. | b | 62 | 44 | 0 |
| Wentw'th | b | 72 | 38 | 0 |
| Young . | n | 80 | 30 | 0 |
| Woll'g'ng | b | 71 | 46 | 0 |
| Taralga.. | b | 60 | — | 0 |
| Hay .... | b | 69 | 37 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 54 | 37 | 0 |
| Euston | b | 71 | 32 | 0 |
| G'lburn | b | 59 | 28 | 0 |
| Wagga. | b | 60 | 26 | 0 |
| C Geo' | b | 64 | 45 | 0 |




| Stations. | WT | MAX | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 33 | 0 |
| Deniliquin. | g | 67 | 37 | 0 |
| Moruya . | b | 61 | 40 | 0 |
| Kiandra.. | b | 68 | 27 | 0 |
| Albury ... | b | 63 | 35 | 0 |
| Bodalla . | b | 70 | 22 | 0 |
| Cooma .... | n | 64 | 24 | 0 |
| Eden .... | b | 58 | 44 | 0 |

Barometers risen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 27 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years . 50·640.

Average for 25 years from Jan. 1st to May 31 25·493

Total Rainfall from Jan. 1st to Aug. 27 34·199

Barometers corrected to 32° Fah and Mean Sea Level.

*Curve showing state of Barometer.*

| STATIONS. | | | | |
|---|---|---|---|---|
| Casino | b | 78 | 34 | 0 |
| Tent'rfield | g | 68 | [illegible] | 0 |
| Clarence | b | 69 | 54 | 0 |
| Moree | . | . | . | . |
| Grafton | b | 75 | 54 | 0 |
| Glen Inn's | b | 64 | 29 | 0 |
| Inverell. | b | 71 | 39 | 0 |
| Bourke | g | 75 | 52 | 0 |
| Narrabri | g | 63 | 51 | 0 |
| Armidale. | g | 55 | — | 0 |
| Bendem'r | g | 4. | 24 | 0 |
| Gunned'h | g | 73 | 21 | 0 |
| C'n'mble | . | . | . | . |
| Kempsey | . | — | — | — |
| Walcha.. | c | 58 | 2[illegible] | 0 |
| Tamw'rth | c | 64 | . | 0 |
| Coonab'n. | g | 67 | 29 | 0 |
| P. M'cqrie | b | 68 | 45 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 60 | 36 | 0 |
| Taree. | b | 70 | [illegible] | 0 |
| Cassilis | g | 59 | 39 | 0 |
| Muss'br'k | g | 68 | 36 | 0 |
| Dubbo . | g | 69 | 37 | 0 |
| Menindie. | g | 73 | 52 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B. | b | 76 | 44 | 0 |
| 0 58 | | | | |
| Mudg | g | 74 | 28 | 0 |
| Maitland. | g | 63 | [illegible] | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 72 | 45 | 0 |
| Orange .. | g | 51 | 29 | 0 |
| Bathurst | g | [illegible] | 28 | 0 |
| Forbes .. | g | 58 | 47 | 0 |
| M.Vict'ria | g | 54 | 38 | 0 |
| Carcoar . | g | 55 | 33 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 69 | 44 | 0 |
| Picton .. | b | 61 | 35 | 0 |
| Sydney .. | c | 68 | 47 | 0 |
| Wentw'th | b | 74 | 44 | 0 |
| Young . | c | 81 | 37 | 0 |
| Woll'g'ng | b | 71 | 49 | 0 |
| Taralga.. | g | 60 | — | 0 |
| Hay .. .. | c | 77 | 38 | 0 |

| Stations. | WT. | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 58 | 33 | 0 |
| Deniliquin. | b | 72 | 38 | 0 |
| Moruya .. . | g | 68 | 42 | 0 |
| Kiandra.. | b | 47 | 28 | 0 |
| Albury ... | c | 62 | 39 | 0 |
| Bodalla.. | n | 73 | 26 | 0 |
| Cooma .... | c | 63 | 26 | 0 |
| Eden .... | b | 61 | 47 | 0 |

TIME BALL.
Drops at 1 p.m. S M T
or 2h.55m.9·198s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

14 30·07 F 57

14 30·19 F 40

14 29 94 F 42

0 30·36R 53

M'ss V'l c 59 39 0
Euston b 77 41 0
G'lburn g 64 28 0
Wagga. g 56 27 0
C Geo' b 73 45 0

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** AUGUST 28 **1883.**

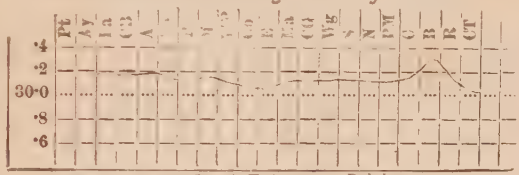
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* : *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640. |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | Aug. 28 | 34·199 |
| Barometers corrected to 32° Fah | and Mean Sea Level. | |

0 30 30 R 62

*Curve showing state of Barometer*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

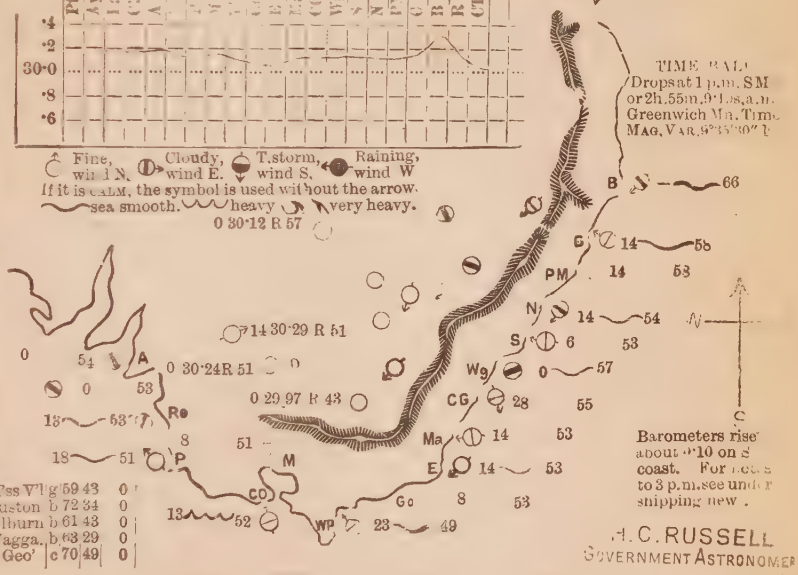
If it is calm, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 30·12 R 57

| Stations. | WT | M.X | MIN | R'H |
|---|---|---|---|---|
| Queanbe'an | b | 55 | 33 | 0 |
| Deniliquin. | b | 69 | 38 | 0 |
| Moruya . | g | 75 | 47 | 0 |
| Kiandra.. | n | 55 | 17 | 0 |
| Albury ... | b | 69 | 37 | 0 |
| Bodalla . | g | 78 | 40 | 0 |
| Cooma . . | n | 65 | 24 | 0 |
| Eden .... | b | [illegible] | [illegible]5 | 0 |

| STATIONS. | WT | M.X | MIN | R'H |
|---|---|---|---|---|
| Casino . | b | 80 | 50 | 0·10 |
| Tenterfield | g | 64 | 45 | 0·20 |
| Clarence . | b | 69 | 54 | 0 |
| Moree . | . | — | — | — |
| Grafton | g | 80 | 56 | 0 |
| Gl'n Inn's | g | 61 | 44 | 0 |
| Inverell. | b | 71 | 52 | 0·05 |
| Bourke | b | 66 | 44 | 0 |
| Narrabri. | b | 72 | 41 | 0·10 |
| Armidale. | g | 55 | — | 0·04 |
| Bendem'r | g | 51 | 32 | 0·17 |
| Gunned'h | g | 69 | 49 | 0·10 |
| C'n'mble | c | 7[illegible] | 45 | 0·12 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 55 | 42 | 0 |
| Tamw'rth | c | 67 | | 0·12 |
| Coonab'n. | f | 64 | 29 | 0·03 |
| P. M'cqrie | b | 72 | 54 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 59 | 49 | 0·35 |
| Taree. | c | 71 | 51 | 0·05 |
| Cassilis | g | [illegible] | 42 | [illegible]85 |
| Muss'br'k | g | [illegible] | 45 | 0·25 |
| Dubbo . | b | [illegible] | [illegible] | 0 |
| Menindie. | b | 73 | 45 | 0 |
| Singleton | c | 64 | 48 | 0 |
| Nels'n's B. | r | 71 | 53 | 0·23 |
| 13 55 Mudg | g | 64 | 39 | 0·15 |
| Maitland. | p | 65 | 49 | 0·18 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 79 | 52 | 0·14 |
| Orange .. | b | 52 | 40 | 0·48 |
| Bathurst | b | 69 | 35 | 0·41 |
| Forbes .. | b | 63 | 49 | 0 |
| M. Vict'ria | g | 54 | 38 | 0·21 |
| Carcoar . | b | 53 | 40 | 0·02 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 66 | 47 | 0 |
| Picton .. | g | 64 | 32 | 0 |
| Sydney .. | c | 65 | 51 | 0·13 |
| Wentw'th | b | 72 | 44 | 0 |
| Young . | b | 69 | 38 | 0 |
| Woll'g'ng | c | 7[illegible] | 45 | 0 |
| Taralga.. | b | 52 | — | 0 |
| Hay .. | b | 71 | 37 | 0·23 |
| M'ss V'l | g | 59 | 43 | 0 |
| Euston | b | 72 | 34 | 0 |
| G'lburn | b | 61 | 43 | 0 |
| Wagga. | b | 63 | 29 | 0 |
| C Geo' | c | 70 | 49 | 0 |




Barometers rise about 0·10 on S coast. For notes to 3 p.m. see under shipping new.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

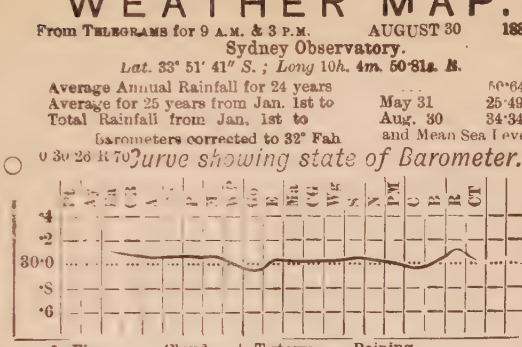
From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 30 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Aug. 30 34·341
Barometers corrected to 32° Fah and Mean Sea Level.

0 30·26 R 70 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

0 30·07 F 65

CLOUDY ON S. COAST.

14 30·21 S 57

0 30·28R 50

14 29 94 F 56

TIME BALL
Drops at 1 p.m, SMT or 2h.55m.9·19s,a.m. Greenwich Mn, Time
MAG. VAR. 9°35′30″ E.

Barometers risen about 0·04 on S coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 58 38 | | 0 |
| Deniliquin. | b | 67 45 | 0 | 11 |
| Moruya .. . | b | 64 49 | | 0 |
| Kiandra.. | b | 65 19 | | 0 |
| Albury ... | b | 64 40 | | 0 |
| Bodalla.. | b | 72 37 | 0 | 33 |
| Cooma .... | c | 65 35 | 0 | 15 |
| Eden ... .. | o | 59 46 | 0 | 15 |

| STATIONS | | | | |
|---|---|---|---|---|
| Cas..o | b | 76 | 37 | 0 |
| F..rfield | b | 62 | 29 | 0 |
| Clarence . | b | 64 | 52 | 0·10 |
| Moree . | . | — | — | — |
| Grafton | b | 75 | .. | 0·05 |
| Gl'n Inn's | b | 56 | 1 | 0 |
| Inverell. | b | 72 | 29 | 0 |
| .. | b | 7. | 49 | 0 |
| Narrabri. | b | 68 | 46 | 0 |
| Armidale. | t | 58 | — | 0 |
| Bendem'r | b | 47 | 26 | 0 |
| Gunned'h | b | 74 | 40 | 0 |
| C'n'mble | b | 68 | 38 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 50 | 24 | 0 |
| Tamw'rth | . | .. | .. | .. |
| Coonab'n. | b | 65 | 29 | 0 |
| P. M'cqrie | b | 64 | 45 | 0·03 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 6. | 40 | 0 |
| Taree | b | 64 | 41 | 0·12 |
| Cassilis | b | 6. | 45 | 0 |
| Muss'br'k | b | 70 | 39 | 0 |
| Dubbo . | b | 6. | 7 | 0 |
| Menindie. | g | 78 | 50 | 0 |
| Singleton | n | 65 | 43 | 0 |
| Nels'n's R. | b | 72 | 44 | 0·58 |
| 0 59 | | | | |
| Mudg | g | 70 | 51 | 0 |
| aitland. | b | 65 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 66 | 46 | 0 |
| Orange .. | b | 52 | 34 | 0 |
| Bathurst | b | 61 | 32 | 0 |
| Forbes .. | b | 5. | 48 | 0 |
| M. Vict'ria | b | 53 | 35 | 0 |
| Carcoar . | g | 54 | 36 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 66 | 41 | 0·05 |
| Picton .. | c | 45 | 33 | 0 |
| Sydney . | c | 62 | 47 | 0 |
| Wentw'th | g | 72 | 42 | 0 |
| Young . | p | 83 | 35 | 0 |
| Woll'g'ng | b | 69 | 42 | 0 |
| Taralga.. | b | 69 | .. | 0 |
| Hay .... | b | 72 | 37 | 0 |

M'ss V'l'g 57 38 0
Euston c 76 35 0·05
G'lburn g 64 — 0
Wagga. b 62 36 0
C Geo' b 63 49 0

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. AUGUST 31 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

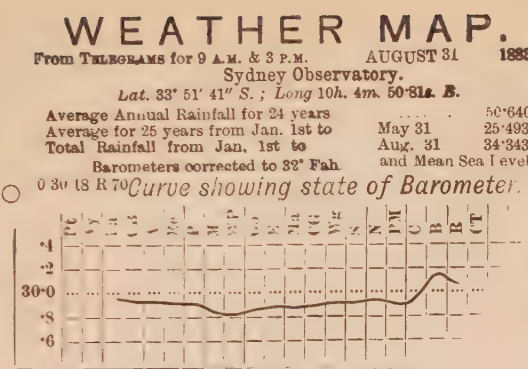
| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 50·640. |
| Average for 25 years from Jan. 1st to | May 31 | 25·493 |
| Total Rainfall from Jan. 1st to | Aug. 31 | 34·343 |

Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Casino . | b | 77 | 37 | | 0 |
| Tent'rfield | b | 65 | 32 | | 0 |
| Clarence . | b | 68 | 52 | | 0 |
| Moree .. | . | — | — | | — |
| Grafton | b | 78 | 58 | | 0 |
| Gl n Inn's | g | 55 | 3 | | 0 |
| Inverell. | g | 73 | 29 | | 0 |
| Bourke | g | 79 | 60 | | 0 |
| Narrabri . | g | 68 | 38 | | 0 |
| Armidale. | g | 4 | — | | 0 |
| Bendem'r | p | 44 | 50 | | 0·04 |
| Gunned'h | g | 75 | 50 | | 0 |
| C'n'mble | g | 71 | 54 | | 0 |
| Kempsey | . | — | — | | — |
| Waleha.. | . | — | — | | — |
| Tamw'rth | g | 66 | — | | 0·04 |
| Coonab'n. | g | 69 | 54 | | 0 |
| P. M'cqrie. | c | 61 | 49 | 0 | 0·02 |
| W'lcannia | . | — | — | | — |
| Murr'ndi . | r | 69 | 40 | 0 | 0·56 |
| Taree. | c | 67 | 49 | 0 | 0·05 |
| Cassilis | p | 62 | 45 | 0 | 0·10 |
| Muss'br'k | r | 69 | 45 | 0 | 0·09 |
| Dubbo . | g | 69 | 40 | 0 | 0·26 |
| Menindie. | b | 63 | 50 | | 0 |
| Singleton | r | 64 | 49 | 0 | 0·09 |
| Nels'n's R' | g | 73 | 48 | | |
| 13 59 Mudg | p | 72 | 40 | | 0 |
| aitland. | p | 63 | 49 | | 0 |
| Hill End. | . | — | — | | — |
| N'wcastle | c | 66 | 49 | | 0 |
| Orange .. | . | — | — | | — |
| Bathurst | g | 62 | 43 | 0 | 0·23 |
| Forbes .. | g | 60 | 48 | 0 | 0·16 |
| M. Vict'ria | r | 51 | 30 | 0 | 0·42 |
| Carcoar . | p | 54 | 40 | 0 | 0·15 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | r | 67 | 48 | 0 | 0·24 |
| Picton .. | d | 60 | 44 | 0 | 0·13 |
| Sydney . | d | 60 | 49 | | 0 |
| Wentw'th | b | 56 | 45 | 0 | 0·17 |
| Young . | r | 77 | 35 | 0 | 0·07 |
| Woll'g'ng. | c | 67 | 42 | | 0 |
| Taralga.. | r | 60 | — | | 0 |
| Hay .... | b | 72 | 37 | 0 | 0·07 |
| M'ss V'l | g | 56 | 40 | | 0 |
| Euston | g | 60 | 46 | | 0 |
| G'lburn | r | 65 | 41 | 0 | 0·05 |
| Wagga. | p | 63 | 36 | 0 | 0·06 |
| C Geo' | b | 63 | 45 | | 0 |

| Stations. | WT | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 55 | 42 | | 0 |
| Deniliquin. | r | 62 | 47 | 0 | 0·41 |
| Moruya .. . | r | 51 | 47 | 0 | 0·26 |
| Kiandra.. | s | 58 | 22 | | 0 |
| Albury ... | r | 67 | 44 | 0 | 0·23 |
| Bodalla.. | r | 68 | 39 | 0 | 0·10 |
| Cooma .... | r | 63 | 37 | 0 | 0·02 |
| Eden .... . | p | 63 | 47 | 0 | 0·37 |

0 30 18 R 70 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 30·32 R 67

CLOUDY ON S. COAST.

30·02 F 44

14 29·96 F 50

0 30·23 R 47

TIME BALL Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time. MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·14 on S. coast. For obs. to 3 p.m. see under shipping news.

H. C. RUSSELL GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 1 1883.

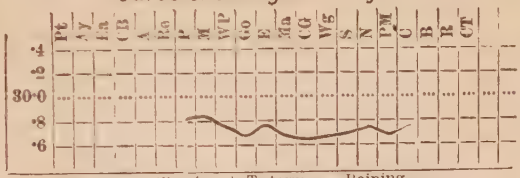
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 1 34·343

Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 29·92 F 65

| Stations. | WT | M,X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 48 | 41 | 0·32 |
| Deniliquin. | b | 61 | 40 | 0·14 |
| Moruya .. .. | p | 58 | 47 | 0·21 |
| Kiandra.. | c | 47 | 20 | 0·39 |
| Albury .. .. | g | 67 | 41 | 0·27 |
| Bodalla.. | r | 57 | 39 | 0·96 |
| Cooma .... | p | 50 | 35 | 0·31 |
| Eden .. .. | p | 54 | 46 | 2·25 |

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 81 | 45 | 0 |
| Teut'rfield | g | 68 | 48 | 0 |
| Clarence . | b | 70 | 56 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | b | 73 | 44 | 0 |
| Gl n Inn's | b | 79 | 32 | 0 |
| Inverell. | e | 71 | 38 | 0 |
| Bourke | b | 80 | 51 | 0 |
| Narrabri | b | 70 | 49 | 0 |
| Armidale. | g | 56 | — | 0·10 |
| Bendem'r | g | 48 | 30 | 0·04 |
| Gunned'h | c | 75 | 48 | 0 |
| C'n'mble | b | 66 | 42 | 0 |
| Kempsey . | . | — | — | — |
| Walcha.. | c | 53 | 37 | 0·08 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 67 | 37 | 0 |
| P. M'cqrie | c | 66 | 50 | 0 |
| W'lcannia . | . | — | — | — |
| Murr'ndi . | c | 58 | 47 | 0·03 |
| Taree. | b | 60 | 48 | 0·02 |
| Cassilis | g | 6 | 45 | 0 |
| Muss'br'k | b | 65 | 44 | 0·12 |
| Dubbo . | g | 69 | 47 | 0 |
| Menindie. | b | 45 | 42 | 0 |
| Singleton | b | 57 | 49 | 0·38 |
| Nels'n's B | b | 71 | 43 | 0·05 |
| Mudg | g | 68 | 39 | 0·12 |
| aitland. | b | 60 | 47 | 0·23 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 66 | 46 | 0·24 |
| Orange .. | . | — | — | — |
| Bathurst | g | 52 | 39 | 0·16 |
| Forbes .. | g | 50 | 43 | 0·03 |
| M. Vict'ria | z | 45 | 36 | 0·33 |
| Carcoar . | r | 51 | 41 | 0·25 |
| Condobolin. | . | — | — | — |
| Marsdens | g | 54 | 45 | 0·1 |
| Picton .. | . | — | — | — |
| Sydney . | c | 55 | 48 | 0·36 |
| Wentw'th | g | 56 | 32 | 0 |
| Young . | p | 71 | 42 | 0·54 |
| Woll'g'ng | . | 62 | 48 | 3·5 |
| Tara'ga.. | g | 40 | — | 0·60 |
| Ha.. .... | b | 66 | 44 | 0 |
| Mess V'l | g | 47 | 41 | 0·24 |
| Eu.. | b | 32 | | 0 |
| Ba.. | b | 48 | 37 | 0 |
| Wagga | g | 54 | — | 0 |
| C Geo' | p | 59 | 46 | 0·25 |

TIME BALL Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E.

CLOUDY ON S. COAST.

14 30·00 F 45

0 29·91 F 45

14 29·74 F 46

Barometers fallen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** SEPT. 3 **1883.**

**Sydney Observatory.**

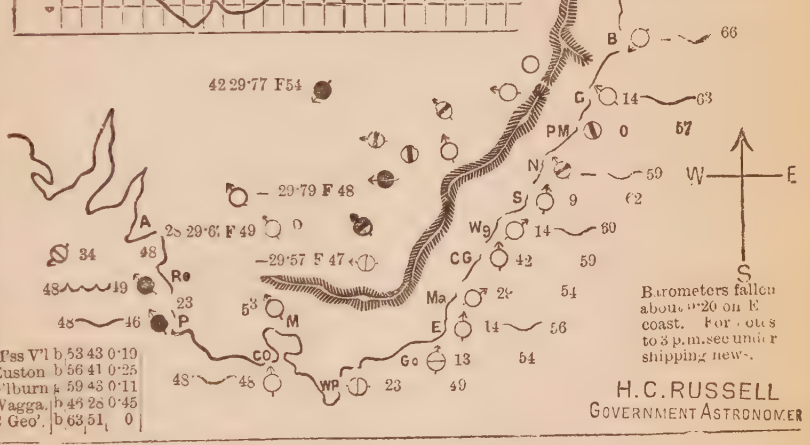
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | |
|---|---|
| **Average Annual Rainfall for 24 years** | 50·640. |
| **Average for 25 years from Jan. 1st to** May 31 | 25·493 |
| **Total Rainfall from Jan. 1st to** Sept. 3 | 34·365 |
| **Barometers corrected to 32° Fah.** and Mean Sea Level. | |

*Curve showing state of Barometer.*

| Stations. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 55 | 35 | 0·38 |
| Deniliquin. | b | 53 | 37 | 0·48 |
| Moruya ... | b | 62 | 45 | 0 |
| Kiandra.. | r | 45 | 30 | 1·71 |
| Albury ... | g | 54 | 31 | 0·47 |
| Bodalla.. | b | 62 | 30 | 0·34 |
| Cooma .... | q | 55 | 38 | 0·02 |
| Eden ..... | b | 57 | 49 | 0 |

| Stations. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 79 | 40 | 0 |
| Tent'rfield | b | 70 | 34 | 0 |
| Clarence . | b | 59 | 56 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 75 | 40 | 0 |
| Gl n Inn's | g | 75 | 32 | 0·07 |
| Inverell.. | c | 71 | 38 | 0·02 |
| Bourke .. | p | 74 | 56 | 0·12 |
| Narrabri . | p | 70 | 40 | 0 |
| Armidale. | g | 57 | — | 0 |
| Bendem'r | g | 52 | 32 | 0·03 |
| Gunned'h | c | 72 | 53 | 0·02 |
| C'n'mble | b | 71 | 54 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 54 | 42 | 0·03 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 66 | 46 | 0·02 |
| P. M'cqrie | g | 66 | 55 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 60 | 37 | 0 |
| Taree.. | c | 67 | 51 | 0 |
| Cassilis | g | 59 | 43 | 0 |
| Muss'br'k | b | 69 | 38 | 0 |
| Dubbo .. | g | 60 | 40 | 0 |
| Menindie. | b | 75 | — | 0 |
| Singleton | g | 63 | 47 | 0 |
| Nels'n's B. | c | 64 | 52 | 0·03 |
| 13 44 | | | | |
| Mudg | g | 68 | 27 | 0·08 |
| a'tland. | b | 64 | 45 | 0 |
| Hill End. | . | — | — | — |
| N 'wcastle | c | 65 | 51 | 0 |
| Orange .. | g | 59 | 30 | 0·10 |
| Bathurst | b | 59 | 32 | 0·03 |
| Forbes .. | g | 57 | 46 | 0·02 |
| M. Vict'ria | b | 53 | 30 | 0 |
| Carcoar . | g | 53 | 35 | 0·35 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 56 | 40 | 0·09 |
| Picton .. | . | — | — | — |
| Sydney .. | b | 62 | 50 | 0·01 |
| Wentw'th | b | 56 | 42 | 0·15 |
| Young . | r | 62 | 46 | 0·21 |
| Woll'g'ng | b | 66 | 47 | 0 |
| Taralga.. | g | 62 | — | 0·17 |
| Hay .. .. | b | 66 | 38 | 0·34 |
| M'ss V'l | b | 53 | 43 | 0·19 |
| Euston | b | 56 | 41 | 0·25 |
| G'lburn | g | 59 | 43 | 0·11 |
| Wagga. | b | 46 | 28 | 0·45 |
| C Geo'. | b | 63 | 51 | 0 |




H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 4 1883.

Sydney Observatory.

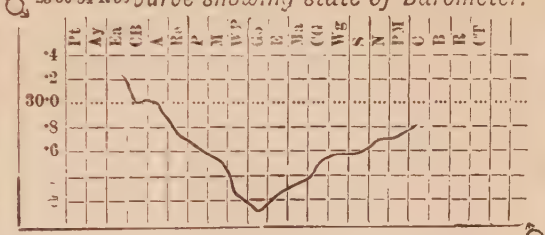
*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 4 34·355
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'N | M'X | R'in |
|---|---|---|---|---|
| Casino . | b | 91 | 52 | 0 |
| Tent'rfield | b | 70 | 44 | 0 |
| Clarence . | b | 72 | 62 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 88 | 40 | 0 |
| Gl n Inn's | b | 67 | 42 | 0 |
| Inverell. | b | 70 | 32 | 0 |
| Bourke .. | b | 74 | 49 | 0 |
| Narrabri . | b | 70 | 41 | 0·06 |
| Armidale. | c | 63 | — | 0 |
| Bendem'r | p | 49 | 31 | 0·09 |
| Gunned'h | b | 75 | 45 | 0·01 |
| C'n'mble | b | 72 | 40 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 60 | 30 | 0·15 |
| Tamw'rth | b | 71 | — | 0·09 |
| Coonab'n. | b | 69 | 36 | 0 |
| P. M'cqrie | c | 73 | 62 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 63 | 45 | 0 |
| Taree.. | b | 81 | 52 | 0·02 |
| Cassilis | b | 65 | 49 | 0 |
| Muss'br'k | b | 74 | 47 | 0 |
| Dubbo . | b | 64 | 40 | 0 |
| Menindie. | b | 65 | 44 | 0 |
| Singleton | b | 88 | 52 | 0 |
| Nels'n's R | b | 74 | 53 | 0 |
| 40 52 Mudg | g | 68 | 39 | 0 |
| Maitland. | b | 70 | 46 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 77 | 49 | 0 |
| Orange .. | b | 52 | 33 | 0 |
| Bathurst | b | 60 | 38 | 0 |
| Forbes .. | b | 63 | 48 | 0 |
| M. Vict'ria | s | 56 | 38 | 0 |
| Carcoar . | g | 54 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 61 | 44 | 0 |
| Picton .. | . | — | — | — |
| Sydney .. | b | 72 | 51 | 0 |
| Wentw'th | b | 60 | 40 | 0 |
| Young . | g | 74 | 40 | 0 |
| Wolf'g'ng | . | — | — | — |
| Taralga.. | c | 55 | — | 0 |
| Hay .... | b | 66 | 52 | 0 |
| M'ss V'll | c | 60 | 40 | 0 |
| Euston | b | 60 | 41 | 0 |
| G'lburn | b | 57 | 36 | 0 |
| Wagga. | g | 57 | 35 | 0 |
| C Geo' | b | 56 | 46 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 56 | 39 | 0 |
| Deniliquin. | c | 53 | 41 | 0·05 |
| Moruya .... | q | 79 | 49 | 0 |
| Kiandra.. | s | 40 | 18 | 0 |
| Albury ... | r | 54 | 42 | 0·17 |
| Bodalla.. | b | 75 | 39 | 0 |
| Cooma .... | b | 57 | 31 | 0·02 |
| Eden ..... | c | 66 | 50 | 0 |

23 30·54 R 59 *Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
MAG. VAR. 9°55′30″ E.

Barometers risen about 0·30 on S coast. For details to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 5 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 5 34·355
Barometers corrected to 32° Fah. and Mean Sea Level.

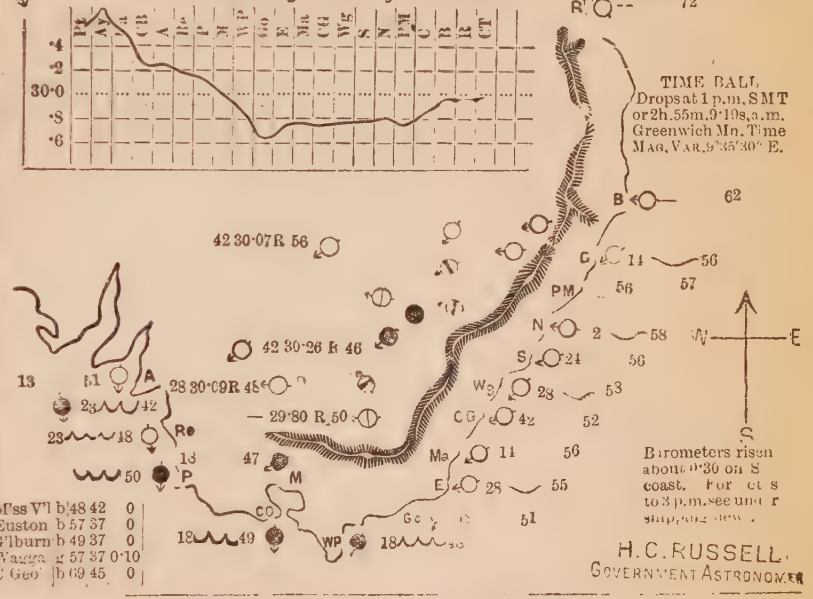
8 30·55 R 51 *Curve showing state of Barometer,*




| STATIONS. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 76 | 47 | 0 |
| Tent'rfield | b | 60 | 38 | 0 |
| Clarence . | b | 70 | 58 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 75 | 40 | 0 |
| Gl n Inn's | b | 52 | 32 | 0 |
| Inverell. | b | 70 | 31 | 0 |
| Bourke | b | 65 | 45 | 0 |
| Narrabri . | b | 66 | 40 | 0 |
| Armidale. | b | 63 | — | 0 |
| Bendem'r | g | 44 | 21 | 0 |
| Gunned'h | c | 67 | 40 | 0 |
| C'n'mble | b | 65 | 38 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 58 | 35 | 0 |
| Tamw'rth | b | — | — | — |
| Coonab'n. | c | 68 | 36 | 0 |
| P. M'eqrie | b | 69 | 61 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | c | 55 | 42 | 0 |
| Taree. | b | 82 | 50 | 0 |
| Cassilis | c | 60 | 45 | 0 |
| Muss'br'k | g | 62 | 46 | 0 |
| Dubbo . | g | 63 | 45 | 0 |
| Menindie. | b | 65 | 45 | 0 |
| Singleton | b | 63 | 51 | 0 |
| Nels'n's P. | b | 70 | 50 | 0 |
| 13 54 | | | | |
| Mudg | g | 60 | 36 | 0 |
| Maitland. | b | 70 | 44 | 0 |
| Hill End. | . | — | — | — |
| N'cwastle | b | 64 | 48 | 0 |
| Orange .. | r | 45 | 37 | 0·22 |
| Bathurst | g | 49 | 38 | 0·04 |
| Forbes .. | d | 60 | 47 | 0·03 |
| M. Vict'ria | g | 42 | 34 | 0 |
| Carcoar . | r | 50 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 54 | 45 | 0 |
| Picton .. | q | 57 | 48 | 0 |
| Sydney . | b | 60 | 52 | 0 |
| Wentw'th | b | 58 | 30 | 0 |
| Young . | p | 67 | 41 | 0 |
| Woll'g'ng | b | 74 | 48 | 0 |
| Taralga.. | b | 66 | — | 0·18 |
| Hay .... | c | 66 | 39 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 59 | 42 | 0 |
| Deniliquin. | b | 56 | 42 | 0 |
| Moruya .. | b | 65 | 49 | 0 |
| Kiandra.. | c | 55 | 22 | 0 |
| Albury ... | c | 52 | 42 | 0·30 |
| Bodalla . | b | 74 | 38 | 0 |
| Cooma .... | c | 52 | 38 | 0 |
| Eden .... | b | 62 | 54 | 0·05 |

| | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| M'ss V'l | b | 48 | 42 | 0 |
| Euston | b | 57 | 37 | 0 |
| G'lburn | b | 49 | 37 | 0 |
| Wagga | g | 57 | 37 | 0·10 |
| C Geo | b | 63 | 45 | 0 |



# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 6 1883.

Sydney Observatory

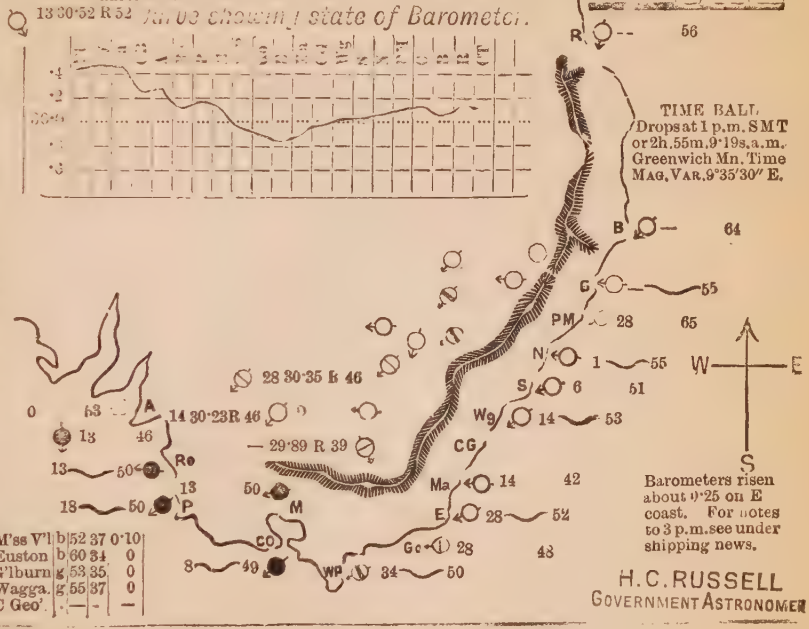
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 6 34·705
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 57 | 34 | 0·03 |
| Deniliquin. | b | 58 | 33 | 0 |
| Moruya . | b | 61 | 35 | 0 |
| Kiandra.. | b | 40 | — | 0 |
| Albury .. | c | 59 | 35 | 0 |
| Bodalla | b | 73 | 23 | 0 |
| Cooma . . | b | 54 | 23 | 0 |
| Eden .... | b | 57 | 51 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| Cas[illegible] | b | 73 | 52 | 0 |
| T[illegible]rfield | b | 60 | 32 | 0 |
| Clarence . | b | 58 | 41 | 0 |
| Morse . | . | — | — | — |
| Grafton | b | 74 | 50 | 0 |
| G[illegible] | b | 56 | 31 | 0 |
| Inverell. | b | 7[illegible] | 28 | 0 |
| Bourke | . | — | — | — |
| Narrabri . | b | 60 | 39 | 0 |
| Armidale. | g | 50 | — | 0 |
| Bendem'r | g | 44 | 26 | 0 |
| Gunned'h | c | 65 | 36 | 0 |
| C'n'mble | b | 62 | 39 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 47 | 32 | 0·09 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 58 | 31 | 0 |
| P. M'cqric | | 68 | 43 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi. | b | 52 | 40 | 0 |
| Taree. | b | 70 | 43 | 0 |
| Cassilis | c | 53 | 45 | 0 |
| Muss'br'k | b | 63 | 36 | 0 |
| Dubbo . | g | 58 | [illegible] | 0 |
| Menindie. | b | 69 | 34 | 0 |
| Singleton | b | 63 | 43 | 0 |
| Ne[illegible]n's B | b | 73 | 43 | 0·18 |
| 8 52 | | | | |
| Mudg | b | 58 | 39 | 0 |
| Maitland. | b | 60 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 69 | 43 | 0·35 |
| Orange .. | b | 44 | 31 | 0 10 |
| Bathurst | g | 48 | 34 | 0 |
| Forbes .. | b | 55 | 43 | 0 |
| M. Vict'ria | b | 49 | 31 | 0 |
| Carcoar . | g | 45 | 39 | 0·15 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 54 | 45 | 0 |
| Picton .. | b | 61 | 34 | 0 |
| Sydney .. | b | 63 | 44 | 0 |
| Wentw'th | c | 76 | 39 | 0 |
| Young . | g | 67 | 31 | 0 |
| Wolf'g'ng | b | 69 | 41 | 0 |
| Taralga.. | b | 64 | — | 0 |
| Hay .... | c | 65 | 40 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 52 | 37 | 0·10 |
| Euston | b | 60 | 34 | 0 |
| G'lburn | g | 53 | 35 | 0 |
| Wagga. | g | 55 | 37 | 0 |
| C Geo'. | . | — | — | — |




Barometers risen about 0·25 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

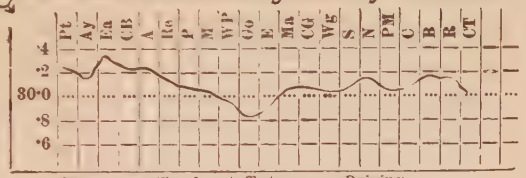
**From TELEGRAMS for 9 A.M. & 3 P.M.** SEPT. 7 **1883.**

## Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 7 34·705
Barometers corrected to 32° Fah. and Mean Sea Level.

23 30·53 R 55 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

14 30·17 — 59

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 75 | 32 | 0 |
| Tent'rfield | b | 60 | 30 | 0 |
| Clarence . | b | 66 | 50 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 78 | 40 | 0 |
| Gl n Inn's | b | 58 | 35 | 0 |
| Inverell.. | b | 70 | 26 | 0 |
| Bourke .. | b | 68 | 43 | 0 |
| Narrabri . | b | 56 | 39 | 0 |
| Armidale. | b | 53 | — | 0 |
| Bendem'r | b | 45 | 25 | 0 |
| Gunned'h | b | 68 | 36 | 0 |
| C'n'mble | b | 60 | 33 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 52 | 21 | 0 |
| Tamw'rth | b | 59 | — | 0 |
| Coonab'n. | b | 58 | 23 | 0 |
| P. M'cqrie | b | 66 | 42 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 56 | 34 | 0 |
| Taree.. | b | 69 | 38 | 0 |
| Cassilis | b | 55 | 35 | 0 |
| Muss'br'k | b | 63 | 34 | 0 |
| Dubbo . | b | 57 | 45 | 0 |
| Menindie. | b | 64 | 35 | 0 |
| Singleton | b | 62 | 40 | 0 |
| Ne u's R· | b | 70 | 42 | 0 |
| 0 57 | | | | |
| Mudg | b | 62 | 23 | 0 |
| Maitland. | b | 65 | 43 | 0 |
| Hill End. | . | — | — | — |
| N 'wcastle | b | 65 | 42 | 0 |
| Orange .. | g | 45 | 29 | 0 |
| Bathurst | g | 49 | 29 | 0 |
| Forbes .. | c | 55 | 47 | 0 |
| M. Vict'ria | b | 45 | 29 | 0 |
| Carcoar . | g | 45 | 35 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 59 | 47 | 0 |
| Picton .. | b | 61 | 30 | 0 |
| Sydney .. | b | 61 | 41 | 0 |
| Wentw'th | c | 60 | 40 | 0 |
| Young . | g | 60 | 39 | 0 |
| Woll'g'ng | . | — | — | — |
| Taralga.. | g | 60 | — | 0 |
| Hay .... | b | 65 | 40 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 52 | 34 | 0 |
| Deniliquin. | b | 78 | 38 | 0 |
| Moruya .... | g | 60 | 35 | 0 |
| Kiandra... | b | 73 | — | 0 |
| Albury .... | d | 58 | 37 | 0 |
| Bodalla.. | g | 74 | 35 | 0 |
| Cooma .... | b | 56 | 25 | 0 |
| Eden ..... | . | — | — | — |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 53 | 37 | 0 |
| Euston | b | 66 | 34 | 0 |
| G'lburn | b | 54 | 29 | 0 |
| Wagga. | g | 56 | 46 | 0 |
| C Geo' | . | — | — | — |

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E.

Barometers risen about 0·05 on E coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** SEPT. 8 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... .... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 8 34·705
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 78 | 30 | 0 |
| Tent'rfield | b | 62 | 28 | 0 |
| Clarence . | b | 68 | 30 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | b | 78 | 40 | 0 |
| Gl'n Inn's | b | 57 | 30 | 0 |
| Inverell. | b | 71 | 28 | 0 |
| Bourke | b | 72 | 46 | 0 |
| Narrabri . | b | 62 | 39 | 0 |
| Armidale. | b | 53 | — | 0 |
| Bendem'r' | b | 47 | 28 | 0 |
| Gunned'h | b | 76 | 37 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 54 | 22 | 0 |
| Tamw'rth | . | — | - | -- |
| Coonab'n. | b | 60 | 23 | 0 |
| P. M'cqrie | . | — | — | - |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 55 | 35 | 0 |
| Taree.. | b | 66 | 40 | 0 |
| Cassilis | b | 55 | 42 | 0 |
| Muss'br'k | b | 63 | 35 | 0 |
| Dubbo . | b | 58 | 37 | 0 |
| Menindie. | b | 62 | 45 | 0 |
| Singleton | b | 62 | 42 | 0 |
| Ne n's B' | b | 75 | 41 | 0 |
| 23 59 | | | | |
| Mudg | b | 64 | 24 | 0 |
| Maitland. | b | 61 | 43 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 66 | 42 | 0 |
| Orange .. | c | 46 | 29 | 0 |
| Bathurst | b | 48 | 38 | 0·03 |
| Forbes .. | b | 53 | 50 | 0 |
| M. Vict'ria | b | 44 | 33 | 0 |
| Carcoar . | g | 48 | 38 | 0·08 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 57 | 41 | 0 |
| Picton .. | b | 59 | 42 | 0 |
| Sydney . | | 62 | 45 | 0 |
| Wentw'th | b | 64 | 38 | 0 |
| Young . | b | 64 | 36 | 0·19 |
| Woll'g'ng | b | 68 | 45 | 0 |
| Taralga.. | t | 50 | — | 0 |
| Hay .... | b | 65 | 38 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 53 | 34 | 0 |
| Deniliquin. | b | 61 | 35 | 0·03 |
| Moruya .. | b | 60 | 39 | 0 |
| Kiandra.. | c | 68 | 21 | 0 |
| Albury ... | c | 57 | 40 | 0 |
| Bodalla.. | b | 74 | 25 | 0 |
| Cooma .... | n | 60 | 22 | 0 |
| Eden .... | b | 58 | 48 | 0 |

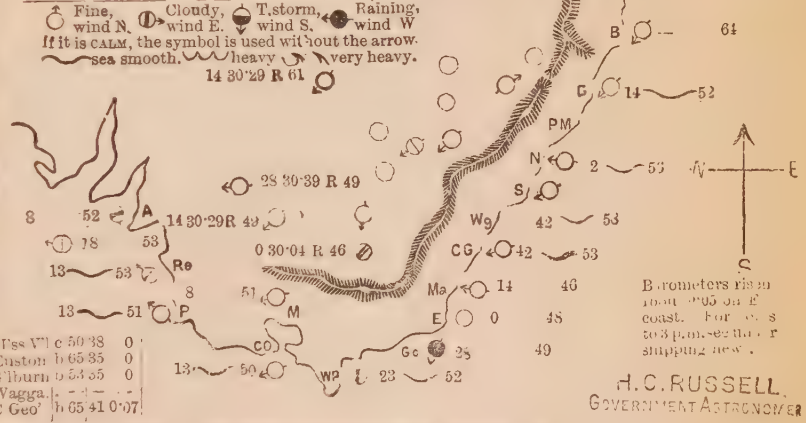
0 30·46 F 55 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 30·29 R 61




Barometers rise from 0·05 on E coast. For ... to 3 p.m. see ... shipping new.

| | | | |
|---|---|---|---|
| M'ss V'l | c | 50 38 | 0 |
| Euston | b | 65 35 | 0 |
| G'lburn | b | 53 35 | 0 |
| Wagga. | . | — | — |
| C Geo' | b | 65 41 | 0·07 |

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

# WEATHER MAP.

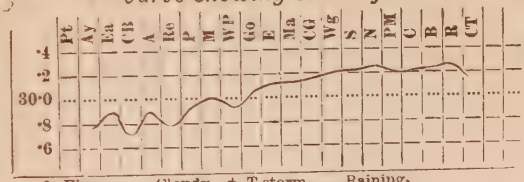
From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 10 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan, 1st to Sept. 10 34·705
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·22 F 71 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

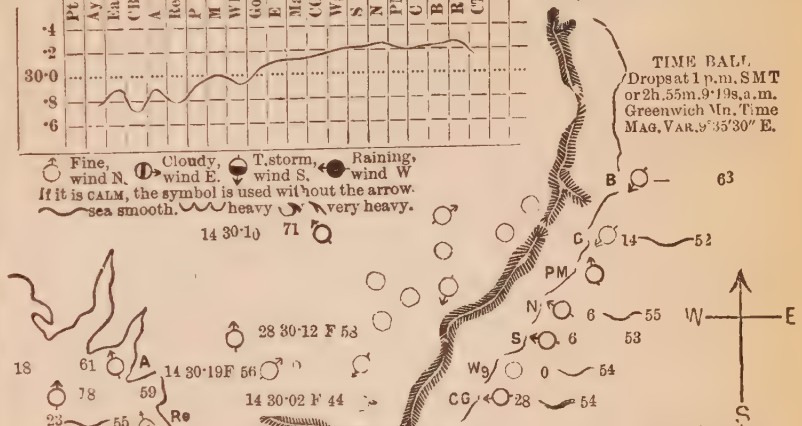
If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 77 | 32 | 0 |
| Tent'rfield | b | 71 | 25 | 0 |
| Clarence . | b | 58 | 48 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | b | 78 | 39 | 0 |
| Gl'n Inn's | b | 64 | 26 | 0 |
| Inverell. | b | 70 | 30 | 0 |
| Bourke | b | 75 | 40 | 0 |
| Narrabri . | b | 72 | 40 | 0 |
| Armidale. | b | 56 | — | 0 |
| Bendem'r | b | 61 | 27 | 0 |
| Gunned'h | b | 72 | 39 | 0 |
| C'n'mble | b | 67 | 39 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 60 | 22 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 68 | 24 | 0 |
| P. M'cqrie | b | 66 | 44 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 59 | 34 | 0 |
| Taree. | b | — | — | 0 |
| Cassilis | b | 58 | 43 | 0 |
| Muss'br'k | b | 67 | 33 | 0 |
| Dubbo . | b | 61 | 37 | 0 |
| Menindie. | b | 72 | 45 | 0 |
| Singleton | b | 64 | 46 | 0 |
| Ne n's B | b | 72 | 43 | 0 |
| 18 64 | | | | |
| Mudg | b | 75 | 25 | 0 |
| Maitland. | b | 66 | 39 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 60 | 46 | 0 |
| Orange .. | b | 51 | 50 | 0 |
| Bathurst | b | 58 | 26 | 0 |
| Forbes .. | b | 56 | 51 | 0 |
| M. Vict'ria | b | 52 | 33 | 0 |
| Carcoar . | b | 58 | 35 | 0 |
| Coud'b'lin | . | — | — | — |
| Marsdens | b | 73 | 39 | 0 |
| Picton .. | b | 64 | 29 | 0 |
| Sydney . | | 64 | 45 | 0 |
| Wentw'th. | b | 73 | [illegible] | 0 |
| Young . | b | 73 | 34 | 0 |
| Woll'g'ng | b | 70 | 33 | 0 |
| Taralga.. | b | 58 | — | 0 |
| Hav .... | c | 72 | 33 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 57 41 | 0 |
| Euston | b | 74 44 | 0 |
| G'lburn | b | 61 26 | 0 |
| Wagga. | b | 61 50 | 0 |
| C Geo | b | 63 41 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 55 | 31 | 0 |
| Deniliquin. | b | 68 | 40 | 0 |
| Moruya .... | b | 63 | 39 | 0 |
| Kiandra.. | b | 49 | 11 | 0 |
| Albury ... | b | 64 | 35 | 0 |
| Bodalla.. | b | 73 | 35 | 0 |
| Cooma .... | b | 62 | 21 | 0 |
| Eden ..... | b | 60 | 47 | 0 |




Barometers risen about 0·10 on E coast. For ot s to 3 p.m. see und r shipping new .

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

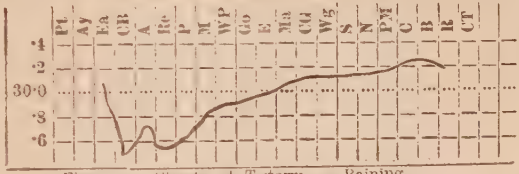
**From Telegrams for 9 A.M. & 3 P.M.** SEPT. 11 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* **E.**

**Average** Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
**Total** Rainfall from Jan. 1st to Sept. 11 34·705
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·15 F 72 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 58 | 42 | 0 |
| Deniliquin. | b | 73 | 45 | 0 |
| Moruya .... | b | 62 | 40 | 0 |
| Kiandra.. | b | 53 | 15 | 0 |
| Albury .... | b | 67 | 37 | 0 |
| Bodalla.. | b | 74 | 29 | 0 |
| Cooma .... | b | 67 | 22 | 0 |
| Eden ..... | b | 58 | 42 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 80 | 45 | 0 |
| Tent'rfield | b | 70 | 38 | 0 |
| Clarence . | b | 70 | 54 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | g | 78 | 40 | 0 |
| Gl'n Inn's | g | 64 | 39 | 0 |
| Inverell. | g | 71 | [illegible] | 0 |
| Bourke | b | 79 | [illegible] | 0 |
| Narrabri. | g | 73 | [illegible] | 0 |
| Armidale. | b | [illegible] | — | 0 |
| Bendem'r | g | [illegible] | [illegible] | 0 |
| Gunned'h | c | 67 | 50 | 0 |
| C'n'mble | g | 73 | 50 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 60 | 34 | 0 |
| Tamw'rth | . | — | | — |
| Coonab'n. | b | 71 | 38 | 0 |
| P. M'cqrie | b | 62 | 52 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 63 | 45 | 0 |
| Taree. | g | 72 | 51 | 0 |
| Cassilis | b | [illegible] | 40 | 0 |
| Muss'br'k | b | 71 | 45 | 0 |
| Dubbo . | b | 65 | 42 | 0 |
| Menindie. | b | 72 | 52 | 0 |
| Singleton | b | 62 | 45 | 0 |
| Ne[illegible]n's B | b | 71 | 50 | 0 |
| 34 4[illegible] Mudg | b | 75 | 33 | 0 |
| Maitland. | b | 60 | 45 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 68 | 52 | 0 |
| Orange .. | . | — | — | 0 |
| Bathurst | b | 61 | [illegible] | 0 |
| Forbes .. | b | [illegible] | 52 | 0 |
| M. Vict'ria | b | [illegible] | [illegible] | 0 |
| Carcoar . | b | 64 | 45 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | [illegible] | [illegible] | 0 |
| Picton . | b | 64 | [illegible] | 0 |
| Sydney . | b | [illegible] | [illegible] | 0 |
| Wentw'th | b | [illegible] | [illegible] | 0 |
| Young . | [illegible] | [illegible] | [illegible] | 0 |
| Woll'g'ng | b | [illegible] | [illegible] | 0 |
| Taralga.. | [illegible] | [illegible] | — | 0 |
| Hay .... | b | 74 | [illegible] | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 61 37 | 0 |
| [illegible] | b | 7[illegible] 49 | 0 |
| G'[illegible] | [illegible] | 66 27 | 0 |
| Wagga.. | b | 62 32 | 0 |
| C Geo' | b | 64 45 | 0 |

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 12 1883.

Sydney Observatory.

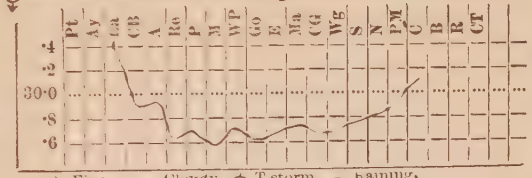
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 12 34·755
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino | d | — | — | — |
| Tent'rfield | r | 78 | 54 | 0 |
| Clarence | g | 71 | 60 | 0 |
| Moree | . | — | — | — |
| Grafton | g | 79 | 42 | 0·04 |
| Gl'n Inn's | g | 69 | 45 | 0 |
| Inverell | p | 71 | 40 | 0·04 |
| Bourke | g | 86 | 54 | 0 |
| Narrabri | r | 70 | 39 | 0·40 |
| Armidale | g | 61 | — | 0 |
| Bendem'r | r | 52 | 37 | 0·50 |
| Gunned'h | c | 74 | 44 | 0·10 |
| C'n'mble | g | 73 | 59 | 0 |
| Kempsey | . | — | — | — |
| Walcha | g | 60 | 47 | 0·32 |
| Tamw'rth | . | — | — | — |
| Coonab'n | p | 69 | 47 | 0·28 |
| P. M'cqrie | r | 70 | 60 | 0·25 |
| W'lcannia | . | — | — | — |
| Murr'ndi | r | 60 | 1 | 0·21 |
| Taree | r | 71 | 50 | 0 |
| Cassilis | p | 60 | 48 | 0 |
| Muss'br'k | g | 75 | 50 | 0·10 |
| Dubbo | . | — | — | — |
| Menindie | q | 83 | 49 | 0·24 |
| Singleton | g | 81 | 52 | 0 |
| Ne[illegible]n's B' | c | 74 | 50 | 0·12 |
| 18 56 Mudg | g | 77 | 46 | 0 |
| Maitland | g | 68 | 52 | 0 |
| Hill End | . | — | — | — |
| N'weastle | g | 64 | 58 | 0 |
| Orange | . | — | — | — |
| Bathurst | p | 69 | 42 | 0·03 |
| Forbes | p | 64 | 55 | 0 |
| M. Vic'ria | g | 6[illegible] | 44 | 0 |
| Carcoar | g | 62 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 74 | 45 | 0 |
| Picton | g | 70 | 43 | 0 |
| Sydne | g | 65 | 5[illegible] | 0·50 |
| Wentw'th | c | 82 | 45 | 0·32 |
| Young | g | 80 | 48 | 0·02 |
| Wo[illegible] | c | 74 | 45 | 0 |
| T[illegible] | g | 72 | — | 0 |
| Hay | r | 73 | 40 | 0·25 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 60 | 37 | 0·08 |
| Deniliquin | c | 80 | 47 | 0 |
| Moruya | g | 55 | 48 | 0·18 |
| Kiandra | g | 67 | 31 | 0·01 |
| Albury | g | 73 | 45 | 0 |
| Bodalla | b | 74 | 40 | 0·34 |
| Cooma | c | 70 | 42 | 0 |
| Eden | g | 62 | 48 | 0·05 |

33 30·58 R 50 *Curve showing state of Barometer.*

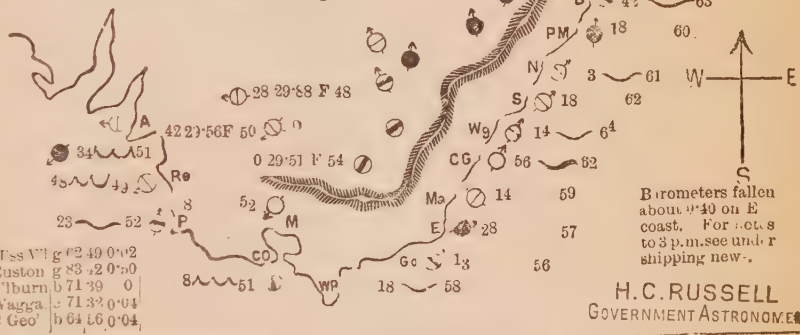



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

26 29·94 R 58




TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·40 on E coast. For notes to 3 p.m. see under shipping news.

| | | | |
|---|---|---|---|
| M'ss V'l | g | 62 | 49 | 0·02 |
| Euston | g | 83 | 42 | 0·50 |
| G'lburn | b | 71 | 39 | 0 |
| Wagga | c | 71 | 32 | 0·04 |
| C Geo' | b | 64 | 56 | 0·04 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 13 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to May 31 25·493
Total Rainfall from Jan. 1st to Sept. 13 34·803
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino . | b | 73 | 37 | 0·12 |
| Tent'rfield | b | 52 | 40 | 0·47 |
| Clarence . | b | 63 | 53 | 0·13 |
| Moree .. | . | - | | -- |
| Grafton | b | 66 | 38 | 0·13 |
| Gl'n Inn's | b | 52 | 35 | 0·52 |
| Inverell. | b | 70 | 28 | 0·32 |
| Bourke | g | 72 | 52 | 0 |
| Narrabri. | g | 75 | 40 | 0 |
| Armidale. | b | 54 | — | 0·40 |
| Bendem'r | g | 45 | 21 | 0·62 |
| Gunned'h | c | 65 | 40 | 0·05 |
| C'n'mble | b | 67 | 45 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 72 | 47 | 0·54 |
| Tamw'rth | g | 58 | - | 0·46 |
| Coonab'n. | p | 78 | 39 | 0·08 |
| P. M'cqrie | b | 66 | 44 | 0·03 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | r | 57 | 43 | 0·46 |
| Taree. | b | 61 | 42 | 0·09 |
| Cassilis | g | 58 | 42 | 0 |
| Muss'br'k | p | 65 | 44 | 0·01 |
| Dubbo . | p | 61 | 42 | 0·18 |
| Menindie. | . | .. | — | . |
| Singleton | g | 70 | 52 | 0·24 |
| Ne n's B. | c | 72 | 47 | 0·15 |
| Mudg | r | 62 | 34 | 0·37 |
| Maitland. | g | 60 | 49 | 0·08 |
| Hill End. | . | — | — | — |
| N'wcastle | r | 64 | 48 | 0·18 |
| Orange .. | g | 51 | 35 | 0·82 |
| Bathurst | r | 57 | 35 | 0·45 |
| Forbes .. | r | 61 | 54 | 0·61 |
| M. Vict'ria | s | 54 | 33 | 0·11 |
| Carcoar . | . | -- | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | p | 62 | 47 | 0 |
| Picton .. | g | 62 | 40 | 0·21 |
| Sydney . | g | 67 | 49 | 0·05 |
| Wentw'th | . | — | — | . |
| Young . | p | 70 | 30 | 0·77 |
| Wolf'g'ng | . | — | — | — |
| Taralga.. | g | 60 | — | 0·47 |
| Hay .... | b | 76 | 36 | 0·92 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 62 | 41 | 0·21 |
| Euston | | — | — | — |
| G'lburn | g | 64 | 37 | 0·21 |
| Wagga | g | 61 | 32 | 1·15 |
| C Geo' | c | 64 | 45 | 0·16 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 59 | 42 | 0·42 |
| Deniliquin. | . | | | — |
| Moruya .. .. | g | 68 | 47 | 0 08 |
| Kiandra.. | c | 47 | 25 | 0 |
| Albury ... | r | 60 | 35 | 1·20 |
| Bodalla.. | b | 74 | 36 | 0·19 |
| Cooma .... | c | 62 | 34 | 0·27 |
| Eden ..... | b | 63 | 46 | 0 |

18 30·42 S 52 *Curve showing state of Barometer.*

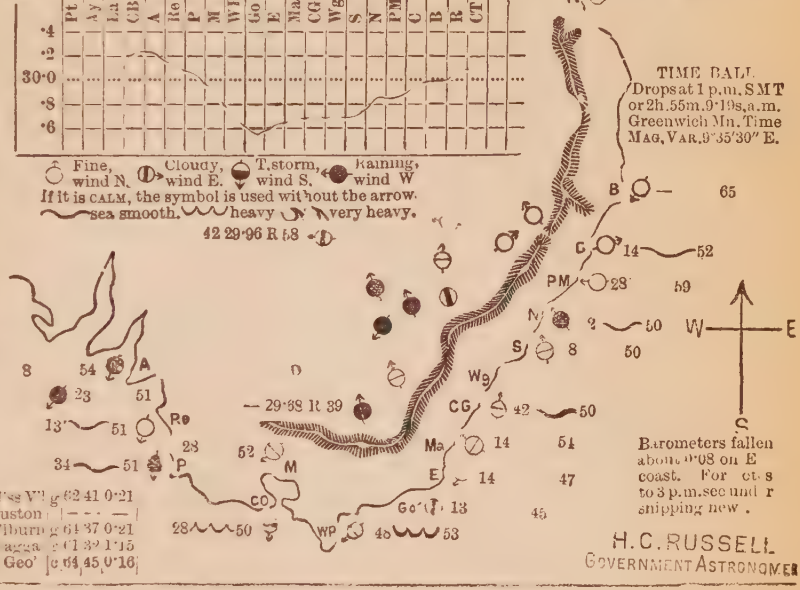



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

42 29·96 R 58




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·08 on E coast. For ct s to 3 p.m. sec und r shipping new .

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** SEPT. 14 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* E.

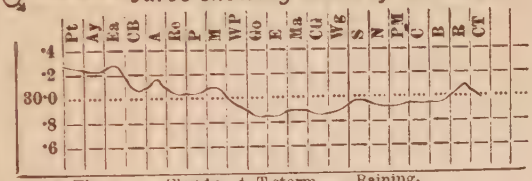
**Average Annual Rainfall for 24 years** ..... 50·640.
**Average for 25 years from Jan. 1st to** May 31 25·493
**Total Rainfall from Jan. 1st to** Sept. 14 34·803
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 74 | 39 | 0 |
| Cent'rfield | b | 58 | 42 | 0 |
| Clarence . | b | 70 | 54 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 73 | 41 | 0 |
| Gl'n Inn's | b | 49 | 39 | 0·03 |
| Inverell.. | b | 71 | 31 | 0 |
| Bourke .. | b | 64 | 54 | 0 |
| Narrabri . | b | 70 | 38 | 0 |
| Armidale. | g | 50 | — | 0·12 |
| Bendem'r | g | 46 | 20 | 0·14 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 65 | 45 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | p | 46 | 40 | 0·16 |
| Tamw'rth | b | 60 | - | 0·03 |
| Coonab'n. | b | 53 | 45 | 0·05 |
| P. M'cqrie | b | 65 | 51 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 50 | 43 | 0·29 |
| Taree.. | b | 69 | 51 | 0·04 |
| Cassilis | b | 57 | 48 | 0 |
| Muss'br'k | b | 59 | 41 | 0·20 |
| Dubbo . | b | 71 | 49 | 0·06 |
| Menindie. | b | 65 | 49 | 0 |
| Singleton | b | 60 | 51 | 0 |
| Ne n's B | b | 70 | 45 | 0·32 |
| 0 59 | | | | |
| Mudg | g | 61 | 39 | 0·12 |
| Maitland. | b | 61 | 45 | 0·37 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 65 | 44 | 0·08 |
| Orange .. | g | 45 | 38 | 0 31 |
| Bathurst | g | 49 | 37 | 0·10 |
| Forbes .. | b | 59 | 54 | 0·06 |
| M. Vict'ria | b | 42 | 33 | 0·06 |
| Carcoar . | g | 47 | 35 | 0·67 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 74 | 47 | 0·03 |
| Picton .. | b | 58 | 32 | 0 |
| Sydney .. | b | 59 | 47 | 0 |
| Wentw'th | c | 62 | 46 | 0 |
| Young . | g | 64 | 40 | 0·08 |
| Woll'g'ng | b | 64 | 43 | 0 |
| Taralga.. | b | 55 | — | 0 |
| Hay ... | b | 71 | 31 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 48 | 33 | 0·07 |
| Euston | g | 63 | 46 | 0 |
| G'lburn | b | 50 | 36 | 0 |
| Wagga. | b | 62 | 31 | 0·33 |
| C Geo'. | b | 60 | 43 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an. | b | 52 | 35 | 0 |
| Deniliquin. | b | 59 | 40 | 0 |
| Moruya .. | g | 63 | 42 | 0 |
| Kiandra .. | n | 52 | 24 | 0 87 |
| Albury .. | b | 45 | 38 | 0·38 |
| Bodalla.. | g | 74 | 30 | 0·02 |
| Cooma .. | c | 50 | 37 | 0 |
| Eden .. | p | 61 | 52 | 0·03 |

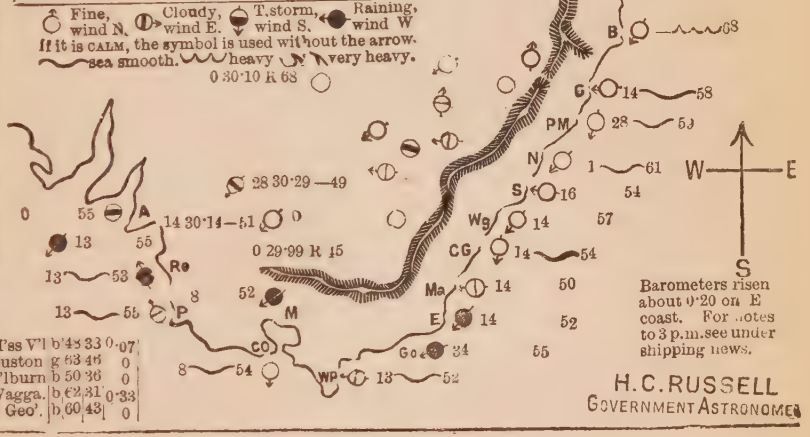
23 30·46 R 58 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.




Barometers risen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 15 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 15 .. 34·803
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M.x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 58 | 42 | 0 |
| Deniliquin. | b | 62 | 48 | 0 |
| Moruya .... | g | 65 | 49 | 0 |
| Kiandra.. | f | 53 | 24 | 0 |
| Albury ... | g | 63 | 44 | 0 |
| Bodalla.. | g | 68 | 36 | 0 |
| Cooma .... | c | 59 | 34 | 0 |
| Eden ..... | . | — | — | — |

| Stations. | wt | M.x | Mn | R'in |
|---|---|---|---|---|
| Casino . | b | 80 | 37 | 0 |
| Ten't'rfield | b | 66 | 32 | 0 |
| Clarence . | b | 70 | 53 | 0 |
| Moree .. | . | — | — | — |
| Grafton | b | 83 | 42 | 0 |
| Gl'n Inn's | b | 59 | 34 | 0 |
| Inverell. | b | 70 | 37 | 0 |
| Bourke | b | 73 | [illegible] | 0 |
| Narrabri. | b | 68 | 38 | 0 |
| Armidale. | b | 55 | — | 0 |
| Bendem'r | b | 51 | 32 | 0 |
| Gunned'h | b | 73 | 43 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 54 | 26 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 67 | 30 | 0 |
| P. M'corie | b | 67 | 46 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi. | b | 60 | 41 | 0 |
| Taree. | b | 70 | 45 | 0 |
| Cassilis | b | 60 | 42 | 0 |
| Muss'br'k | b | 68 | 39 | 0 |
| Dubbo . | b | 71 | 44 | 0 |
| Menindie. | r | 64 | 50 | 0·02 |
| Singleton | b | 67 | 49 | 0 |
| Ne n's B' | b | 77 | 50 | 0 |
| Mudg | b | 74 | 32 | 0 |
| Maitland. | b | 68 | 50 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 69 | 53 | 0 |
| Orange .. | b | 52 | 34 | 0 |
| Bathurst | g | 56 | 40 | 0 |
| Forbes .. | b | 58 | 54 | 0 |
| M. Vict'ria | b | 55 | 35 | 0 |
| Carcoar . | g | 54 | 38 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 62 | 48 | 0 |
| Picton .. | g | 66 | 44 | 0 |
| Sydney . | g | 65 | 49 | 0 |
| Wentw'th | c | 64 | 46 | 0·10 |
| Young . | g | 65 | 44 | 0 |
| Wolf'g'ng | c | 71 | 39 | 0 |
| Taralga.. | g | 57 | — | 0 |
| Hay ..... | c | 71 | — | 0 |

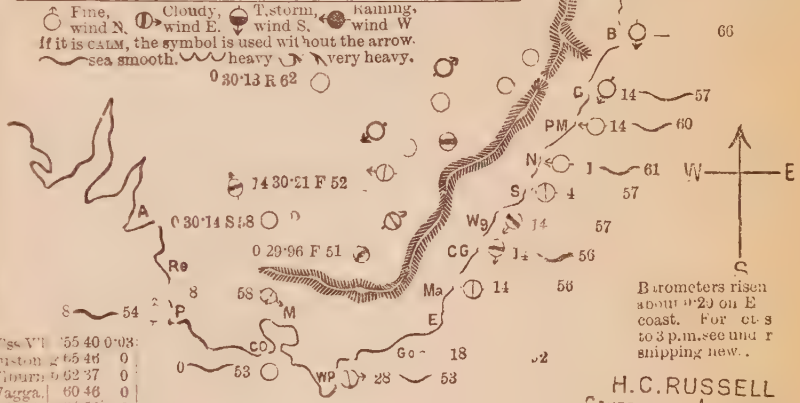
| | | | |
|---|---|---|---|
| M'ss V'l | g | 55 40 | 0·03 |
| Euston | g | 65 46 | 0 |
| G'lburn | b | 62 37 | 0 |
| Wagga. | | 60 46 | 0 |
| C Geo | g | 64 53 | 0 |

## *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.




Barometers risen about 0·20 on E coast. For ct's to 3 p.m. see under shipping new..

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 17 1883.

Sydney Observatory.

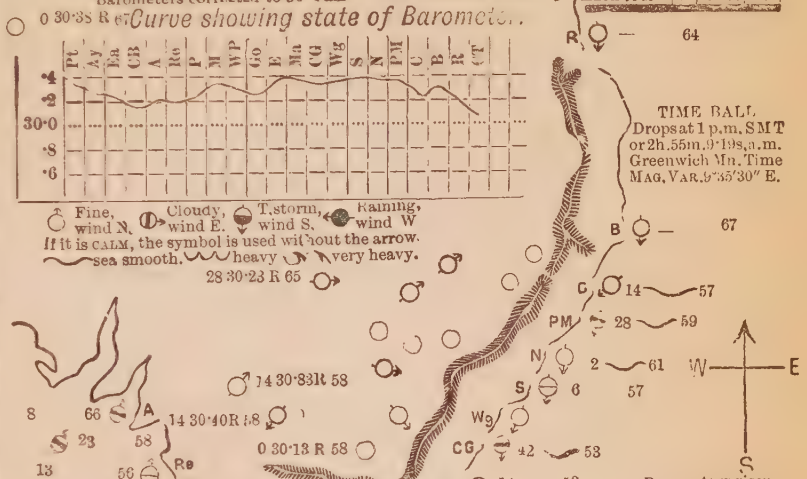
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 17 .. 34·814
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 57 | 38 | 0·05 |
| Deniliquin. | b | 69 | 39 | 0 |
| Moruya .. .. | b | 62 | 43 | 0 |
| Kiandra.. | b | 58 | 23 | 0·19 |
| Albury ... | b | 69 | 39 | 0 |
| Bodalla.. | b | 62 | 43 | 0 |
| Cooma .... | b | 58 | 23 | 0·56 |
| Eden .... | b | 62 | 49 | 0 |

| Stations. | WT | M.X | MD | R'in |
|---|---|---|---|---|
| Casino . | b | 78 | 40 | 0 |
| Tent'rfield | b | 72 | 32 | 0 |
| Clarence . | b | 69 | 55 | 0 |
| Moree | . | — | — | — |
| Grafton | b | 81 | 40 | 0 |
| Gl'n Inn's | b | 67 | 37 | 0 |
| Inverell. | b | 71 | 38 | 0 |
| Bourke | b | 77 | 49 | 0 |
| Narrabri . | b | 72 | 40 | 0 |
| Armidale. | g | 60 | — | 0 |
| Bendem'r | b | 52 | 27 | 0 |
| Gunned'h | b | 76 | 45 | 0 |
| C'n'mble | b | 75 | 49 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 63 | 34 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 69 | 32 | 0 |
| P. M'cqrie | g | 68 | 51 | 0·06 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 63 | 41 | 0 |
| Taree. | b | 70 | 49 | 0 |
| Cassilis | b | 58 | 33 | 0 |
| Muss'br'k | b | 70 | 42 | 0·13 |
| Dubbo . | b | 70 | 45 | 0 |
| Menindie. | b | 70 | 49 | 0 |
| Singleton | b | 69 | 48 | 0 |
| Ne n's B. | p | 69 | 51 | 0·36 |
| 8 59 | | | | |
| Mudg | b | 78 | 34 | 0 |
| Maitland. | b | 68 | 46 | 0·18 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 64 | 50 | 0 |
| Orange .. | b | 55 | 37 | 0 |
| Bathurst | b | 64 | 34 | 0 |
| Forbes .. | b | 58 | 54 | 0 |
| M. Vict'ria | b | 55 | 36 | 0 |
| Carcoar . | b | 72 | 42 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 68 | 45 | 0 |
| Picton .. | c | 62 | 39 | 0 |
| Sydney .. | b | 62 | 48 | 0·01 |
| Wentw'th | b | 74 | 48 | 0 |
| Young . | b | 75 | 41 | 0 |
| Won'g'ng | b | 61 | 35 | 0 |
| Taralga.. | b | 60 | — | 0 |
| Hay .... | b | 71 | 39 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | c | 52 | 40 | 0·24 |
| Euston | b | 70 | 41 | 0 |
| G'lburn | b | 57 | 39 | 0 |
| Wagga. | b | 62 | 34 | 0·03 |
| C Geo' | | 61 | 40 | 0·21 |




Barometers risen about 0·25 on E coast. For ct s to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 18 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 18 .. 34·819
Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*

13 30·37 R 70

Fe | A | La | CB | A | Re | P | M | WP | Go | E | Ma | CG | Wg | S | N | PM | C | B | R | CT

30·4 · 30·2 · 30·0 · 29·8 · 29·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

14 30·20 F 71

28 30·27 F 61

30·27F 57

14 30·08 F 50

TIME BALL.
Drops at 1 p.m. S.M.T. or 2h.55m.9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

R 67 — B 71 — C 14 59 — PM 0 63 — N 2 60 — S 2 56 — Wg 14 58 — CG 14 51 — Ma 14 52 — E 14 51 — Gc 13 57 — WP 18 56 — CO 18 60 — M 8 60 — P 8 60 — Re 23 56 — A 23 53 — 18 56

W — E — S

Barometers fallen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | WT | Max | Min | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 57 | 40 | 0 |
| Deniliquin. | b | 72 | 44 | 0 |
| Moruya .. .. | b | 51 | 42 | 0 |
| Kiandra .. | b | 75 | 51 | 0 |
| Albury .. | b | 70 | 42 | 0 |
| Bodalla .. | b | 64 | 38 | 0 |
| Cooma .... | b | 65 | 31 | 0 |
| Eden .... | b | 60 | 52 | 0 |

| Stations. | WT | Max | Min | R'fall |
|---|---|---|---|---|
| Casino .. | b | 79 | 44 | 0 |
| Tenterfield | b | 74 | 45 | 0 |
| Clarence .. | b | 69 | 54 | 0 |
| Moree .. | .. | .. | .. | .. |
| Grafton .. | b | 82 | 49 | 0 |
| Glen Innes | b | 67 | 45 | 0 |
| Inverell. | b | 74 | 48 | 0 |
| Bourke .. | b | 80 | 50 | 0 |
| Narrabri. | b | 70 | 41 | 0 |
| Armidale. | b | 61 | — | 0 |
| Bendem'r | b | 57 | 35 | 0 |
| Gunned'h | b | 76 | 45 | 0 |
| C'n'mble | b | 73 | 45 | 0 |
| Kempsey .. | .. | — | — | — |
| Walch'a.. | c | 65 | 40 | 0 |
| Tamw'rth | .. | .. | .. | — |
| Coonab'n. | b | 74 | 32 | 0 |
| P. M'cqrie | b | 65 | 51 | 0 |
| W'leannia | .. | — | — | — |
| Murr'ndi. | b | 61 | 42 | 0 |
| Taree .. | b | 66 | 46 | 0 |
| Cassilis | g | 63 | 45 | 0 |
| Muss'br'k | g | 70 | 42 | 0 |
| Dubbo .. | b | 68 | 49 | 0 |
| Menindie. | b | 78 | 58 | 0 |
| Singleton | b | 60 | 45 | 0 |
| Nels'n's B' | b | 79 | 49 | 0·05 |
| S 50 | | | | |
| Mudg | b | 79 | 39 | 0 |
| Maitland. | b | 61 | 45 | 0 |
| Hill End. | .. | — | — | — |
| N'wcastle | .. | 64 | 48 | 0 |
| Orange .. | .. | — | — | — |
| Bathurst | b | 63 | 33 | 0 |
| Forbes .. | b | 60 | 36 | 0 |
| M. Vict'ria | b | 54 | 35 | 0 |
| Carcoar . | b | 71 | 42 | 0 |
| Cond'b'lin | .. | — | — | — |
| Marsdens | b | 71 | 45 | 0 |
| Picton .. | b | 63 | 39 | 0 |
| Sydney .. | c | 62 | 50 | 0·01 |
| Wentw'th | c | 86 | 48 | 0 |
| Young .. | b | 80 | 37 | 0 |
| Wolli'g'ng | b | 68 | 42 | 0 |
| Taralga.. | b | 74 | — | 0 |
| Hay .... | b | 75 | 46 | 0 |
| M'ss V'll'y | b | 55 | 42 | 0 |
| Euston | b | 83 | 49 | 0 |
| G'lburn | b | 64 | 31 | 0 |
| Wagga. | b | 65 | 34 | 0 |
| C Geo' | b | 62 | 45 | 0 |

# WEATHER MAP.

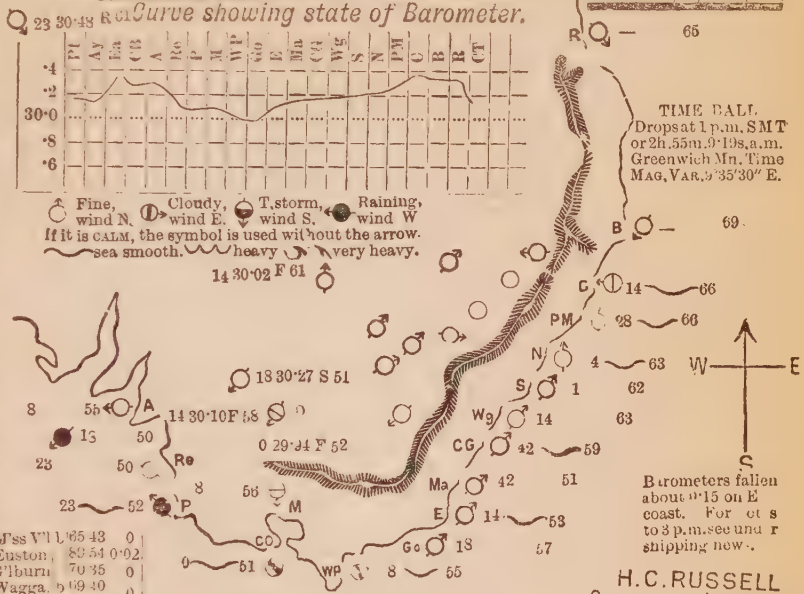
From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 19 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 19 .. 34·819
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M.x | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 50 | 40 | 0 |
| Deniliquin. | c | 76 | 49 | 0 |
| Moruya .... | b | 63 | 43 | 0 |
| Kiandra .. | b | 61 | 21 | 0 |
| Albury ... | b | 71 | 40 | 0 |
| Bodalla .. | b | 69 | 32 | 0 |
| Cooma .... | c | 68 | 34 | 0 |
| Eden ..... | b | 60 | 47 | 0 |




| Stations. | wt | M.x | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | [illegible] | [illegible] | 0 |
| Tenterfield | [illegible] | [illegible] | [illegible] | 0 |
| Clarence .. | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | . | | | -- |
| Grafton | b | [illegible] | [illegible] | 0 |
| Glen Innes | b | [illegible] | 43 | 0 |
| Inverell | [illegible] | [illegible] | 42 | 0 |
| Bourke | b | [illegible] | [illegible] | 0 |
| Narrabri | b | 70 | 40 | 0 |
| Armidale. | b | 63 | — | 0 |
| Bendem'r | b | 60 | 37 | 0 |
| Gunned'h | b | 78 | 49 | 0 |
| C'n'mble | b | 75 | 48 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 65 | 43 | 0 |
| Tamw'rth | . | -- | - | — |
| Coonab'n. | b | 74 | 34 | 0 |
| P. M'cqrie | b | 72 | 64 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi. | b | 64 | 42 | 0 |
| Taree. | b | 69 | 49 | 0 |
| Cassilis | b | 65 | 45 | 0 |
| Muss'br'k | f | 72 | 45 | 0 |
| Dubbo . | b | 70 | 49 | 0 |
| Menindie. | g | 84 | 55 | 0 |
| Singleton | h | 68 | 47 | 0 |
| Nels'n's B. | b | 69 | 45 | 0 |
| 13 59 Mudg | b | 79 | 42 | 0 |
| Maitland. | b | 67 | 48 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 67 | 54 | 0 |
| Orange .. | b | 59 | 38 | 0 |
| Bathurst | b | 63 | 32 | 0 |
| Forbes .. | b | 62 | 55 | 0 |
| M. Vict'ria | b | 60 | 40 | 0 |
| Carcoar . | b | 71 | 44 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 74 | 50 | 0 |
| Picton .. | b | 62 | 42 | 0 |
| Sydney . | b | 63 | 50 | 0 |
| Wentw'th | b | 79 | 49 | 0 |
| Young . | b | 84 | 41 | 0 |
| Wolf'g'ng | b | 70 | 46 | 0 |
| Taralga.. | b | 75 | — | 0 |
| Hay .... | b | 78 | 49 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 65 43 | 0 |
| Euston | | 89 54 | 0·02 |
| G'lburn | | 70 35 | 0 |
| Wagga. | b | 69 40 | 0 |
| C Geo' | b | 62 46 | 0 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 20 1883.

Sydney Observatory.

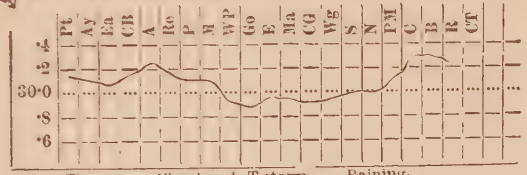
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 20.. 35·084
Barometers corrected to 32° Fah. and Mean Sea Level.

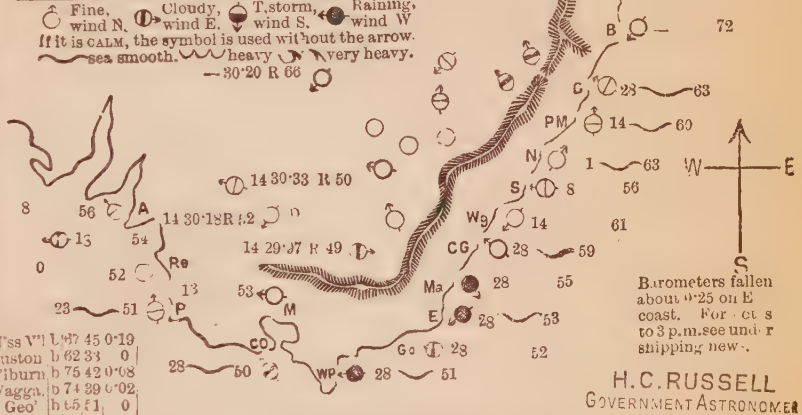
| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino .. | c | 84 | 44 | 0 |
| Teut'rfield | g | 78 | [illegible] | 12 |
| Clarence . | c | 73 | 55 | 0 |
| Moree .. | . | | | |
| Grafton . | r | 82 | 40 | 0 |
| Gl'n Inn's | r | [illegible] | [illegible] | 0·60 |
| Inverell. | p | 71 | [illegible] | 0·57 |
| Bourke | b | 85 | 52 | 0 |
| Narrabri . | b | 72 | 41 | 0·16 |
| Armidale. | g | 67 | [illegible] | 0·43 |
| Bendem'r | r | 52 | 38 | 0·93 |
| Gunned'h | c | 8[illegible] | 58 | 0 |
| C'n'mble | b | 8[illegible] | 49 | 0·20 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 67 | 46 | 0·53 |
| Tamw'rth | . | — | | — |
| Coonab'n. | b | 77 | 49 | 0·42 |
| P. M'cqrie | g | 71 | 68 | 0·07 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | g | 65 | 50 | 0·70 |
| Taree.. | . | — | — | — |
| Cassilis | c | 60 | 50 | 1·00 |
| Muss'br'k | g | 79 | 50 | 0·37 |
| Dubbo . | b | 75 | 50 | 0·10 |
| Menindie. | b | 69 | 41 | 0 |
| Singleton | g | 72 | 50 | 0·85 |
| Nels'n's B' | g | 71 | 56 | 0·30 |
| 28 56 Mudg | g | 79 | 48 | 0·19 |
| Maitland. | p | 71 | 53 | 0·95 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 7[illegible] | 52 | 0·51 |
| Orange .. | b | 61 | 4[illegible] | 0·81 |
| Bathurst | b | 69 | 45 | 0·69 |
| Forbes .. | b | 8[illegible] | 42 | 0·25 |
| M. Vict'ria | g | 64 | 42 | 0·37 |
| Carcoar . | b | 64 | 50 | 0·83 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 76 | 49 | 0·02 |
| Picton .. | c | 71 | 49 | 0·33 |
| Sydney . | g | 67 | 54 | 0·27 |
| Wentw'th | b | 67 | 41 | 0 |
| Young . | b | 78 | 43 | 0·01 |
| Wolf'g'ng | b | 73 | 46 | 0·25 |
| Taralga.. | b | 73 | — | 0·52 |
| Hay .... | b | 77 | 41 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 65 | 47 | 0 |
| Deniliquin. | b | 63 | 39 | 0 |
| Moruya .... | p | 65 | 50 | 0·04 |
| Kiandra.. | g | 58 | 32 | 0·23 |
| Albury ... | c | 73 | 44 | 0·10 |
| Bodalla.. | c | 74 | 38 | 0·03 |
| Cooma .... | b | 72 | 40 | 0 |
| Eden ..... | p | 64 | 52 | 0·22 |

S 30·46 R 63 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.




TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
Mag. Var. 9°35′30″ E.

Barometers fallen about 0·25 on E coast. For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 21 1883.

Sydney Observatory.

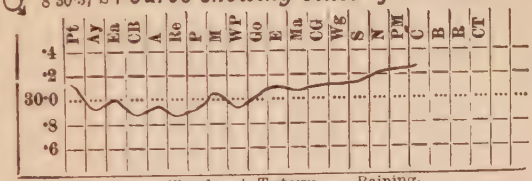
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 21.. 35·088

Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·37 S 7

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 30·17 F 71

| STATIONS. | wt | m'x | m | R'in |
|---|---|---|---|---|
| Casino .. | b | 79 | 35 | 0·23 |
| Tent'rfield | b | 60 | 39 | 0 |
| Clarence . | b | 70 | 52 | 0 |
| Moree .. | . | . | — | — |
| Grafton .. | b | 74 | 40 | 0·08 |
| Gl n Inn's | b | 55 | 33 | 0·18 |
| Inverell.. | b | 71 | 31 | 0·03 |
| Bourke .. | b | 77 | 47 | 0 |
| Narrabri . | b | 68 | 35 | 0 |
| Armidale. | b | 59 | — | 0·01 |
| Bendem'r | b | 53 | 33 | 0 |
| Gunned'h | b | 72 | 42 | 0 |
| C'n'mble | b | 66 | 37 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 55 | 25 | 0·06 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 64 | 28 | 0 |
| P. M'cqrie | b | 69 | 46 | 0·25 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 60 | 40 | 0 |
| Taree.. | b | 67 | 44 | — |
| Cassilis | b | 68 | 45 | 0·04 |
| Muss'br'k | b | 69 | 39 | 0·08 |
| Dubbo . | b | 64 | 43 | 0 |
| Menindie. | b | 70 | 45 | 0 |
| Singleton | b | 67 | 45 | 0·05 |
| Nels'n's P. 63 | b | 74 | 45 | 0·43 |
| Mudg | b | 71 | 30 | 0 |
| Maitland. | b | 91 | 43 | 0·26 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 69 | 46 | 0·14 |
| Orange .. | b | 51 | 52 | 0 |
| Bathurst | b | 57 | 32 | 0 |
| Forbes .. | b | 63 | 36 | 0 |
| M. Vict'ria | b | 50 | 36 | 0 |
| Carcoar . | b | 64 | 34 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 65 | 43 | 0 |
| Picton .. | b | 68 | 34 | 0 |
| Sydney .. | b | 66 | 47 | 0 |
| Wentw'th | b | 67 | 40 | 0 |
| Young . | b | 73 | 33 | 0 |
| Woll'g'ng | b | 77 | 43 | 0 |
| Taralga.. | b | 60 | — | 0 |
| Hay .. .. | b | 71 | 40 | 0 |

| Stations. | WT | M,X | m | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 36 | 0 |
| Deniliquin. | b | 63 | 39 | 0 |
| Moruya .. .. | b | 62 | 46 | 0·65 |
| Kiandra .. | c | 62 | 21 | 0 |
| Albury .. .. | b | 61 | 39 | 0 |
| Bodalla.. | b | 69 | 35 | 0 |
| Cooma .... | b | 63 | 29 | 0 |
| Eden .. .. .. | b | 63 | 48 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 57 | 43 | 0 |
| Euston | b | 68 | 39 | 0 |
| G'lburn | b | 60 | 32 | 0 |
| Wagga. | b | 74 | 30 | 0 |
| C Geo' | b | 62 | 41 | 0 |

TIME BALL
Drops at 1 p.m. S M T.
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·10 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 22 1836.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 22.. 35·088
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 79 | 35 | 0 |
| Tent'rfield | b | 70 | 30 | 0 |
| Clarence . | b | 70 | 55 | 0 |
| Moree . | . | — | — | — |
| Grafton . | b | [illegible] | 41 | 0 |
| Gl'n Inn's | b | [illegible] | [illegible] | 0 |
| Inverell. | b | 72 | [illegible] | 0 |
| Bourke | b | 82 | [illegible] | 0 |
| Narrabri. | b | 75 | 39 | 0 |
| Armidale. | b | 60 | — | 0 |
| Bendem'r | b | 56 | [illegible] | 0 |
| Gunned'h | b | 77 | [illegible] | 0 |
| C'n'mble | b | 7[illegible] | [illegible] | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | [illegible] | [illegible] | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | [illegible] | 30 | 0 |
| P. M'cqrie | | [illegible] | 46 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi.. | b | [illegible] | [illegible] | 0 |
| Taree. | . | 7[illegible] | [illegible] | 0 |
| Cassilis | b | [illegible] | 44 | 0 |
| Muss'br'k | b | 73 | 46 | 0 |
| Dubbo . | | [illegible] | 42 | 0 |
| Menindie. | b | 78 | 53 | 0 |
| Singleton | b | 69 | 45 | 0 |
| Nels'n's B' | b | 79 | 46 | 0 |
| 18 56 | | | | |
| Mudg | b | 73 | 32 | 0 |
| Maitland. | b | 66 | 44 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 69 | 48 | 0 |
| Orange .. | b | 55 | 34 | 0 |
| Bathurst | b | 61 | 32 | 0 |
| Forbes .. | b | 72 | 40 | 0 |
| M. Vict'ria | b | 58 | 45 | 0 |
| Carcoar . | . | — | — | 0 |
| Cond'b'lin | b | — | — | — |
| Marsdens | b | 70 | [illegible] | 0 |
| Picton .. | b | 68 | 34 | 0 |
| Sydney . | b | 62 | 47 | 0 |
| Wentw'th | b | 81 | 47 | 0 |
| Young . | b | 80 | 38 | 0 |
| Woll'g'ng | b | 71 | 42 | 0 |
| Taralga.. | b | 62 | — | 0 |
| Hay .... | b | 77 | 49 | 0 |

| Stations. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 61 | 38 | 0 |
| Deniliquin. | b | 75 | 43 | 0 |
| Moruya .... | c | 64 | 44 | 0 |
| Kiandra.. | o | 75 | 25 | 0 |
| Albury .... | c | 68 | 46 | 0 |
| Bodalla.. | o | 72 | 28 | 0 |
| Cooma .... | b | 66 | 29 | 0 |
| Eden .... | b | 61 | 50 | 0 |

8 30·17 F 50

*Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. Thstorm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 30·11 F 46

FINE GENERALLY.

14 30·08 F 57

14 30·01 F63

0 29·91 F 57

| | | | |
|---|---|---|---|
| M'ss V'l | b | 62 38 | 0 |
| Euston | b | 79 41 | 0 |
| G'lburn | b | 64 33 | 0 |
| Wagga. | b | 69 39 | 0 |
| C Geo' | b | 65 47 | 0 |

TIME BALL
Drops at 1 p.m. SMT or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·07 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

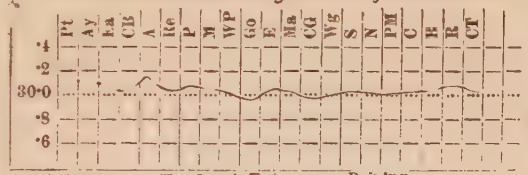
From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 24 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 24.. 35·088
Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·29 R 60 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

0 29·92 F 72

FINE GENERALLY.

28 30·18 R 49

0 30·28 R 65

0 29·86 F 52

TIME BALL
Drops at 1 p.m, S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers fallen about 0·10 on E. coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 87 | 52 | 0 |
| Tent'rfield | b | 78 | 45 | 0 |
| Clarence . | b | 71 | 55 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 91 | 40 | 0 |
| Gl n Inn's | g | 73 | 38 | 0·03 |
| Inverell. | b | 74 | 42 | 0 |
| Bourke | b | 92 | 63 | 0 |
| Narrabri . | b | 85 | 40 | 0·09 |
| Armidale. | g | 68 | — | 0 |
| Bendem'r | g | 59 | 38 | 0·05 |
| Gunned'h | g | 85 | 46 | 0·07 |
| C'n'mble | b | 74 | 48 | 0·04 |
| Kempsey . | — | — | — | — |
| Walcha.. | g | 72 | 43 | 1·08 |
| Tamw'rth | . | — | — | 0·06 |
| Coonab'n. | g | 33 | 30 | 0·03 |
| P. M'cqrie | o | 71 | 66 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | g | 75 | 47 | 0 |
| Taree.. | g | 84 | 57 | 0 |
| Cassilis | b | 72 | 56 | 0 |
| Muss'br'k | b | 84 | 55 | 0 |
| Dubbo . | g | 80 | 44 | 0 |
| Menindie. | n | 68 | 50 | 0 |
| Singleton | ) | 80 | 43 | 0 |
| Nels'n's P | g | 72 | 59 | 0 |
| 59 | | | | |
| Mudg | b | 87 | 34 | 0 |
| Maitland. | c | 77 | 46 | 0 |
| Hill End. | o | — | — | 0 |
| N'weastle | g | 88 | 58 | 0 |
| Orange .. | t | 68 | 50 | 0 |
| Bathurst | b | 79 | 37 | 0 |
| Forbes .. | b | 85 | 47 | 0 |
| M. Vict'ria | b | 72 | 45 | 0 |
| Carcoar . | b | 74 | 43 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 80 | 45 | 0 |
| Picton .. | g | 79 | 55 | 0 |
| Sydney . | c | 83 | 59 | 0 |
| Wentw'th | b | 62 | 32 | 0 |
| Young . | g | 83 | 53 | 0 |
| Woll'g'ng | c | 79 | 58 | 0 |
| Taralga.. | g | 52 | — | 0 |
| Hay .... | b | 81 | 62 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | c | 68 | 40 | 0 |
| Deniliquin. | b | 81 | 37 | 0 |
| Moruya .... | r | 64 | 51 | 0·06 |
| Kiandra.. | o | 77 | 21 | 0 |
| Albury .... | b | 77 | 39 | 0 |
| Bodalla.. | r | 82 | 33 | 0·07 |
| Cooma .... | c | 73 | 34 | 0 |
| Eden ..... | b | 63 | 53 | 0 |

| | | | | |
|---|---|---|---|---|
| Mss V'le | c | 75 | 48 | 0 |
| Euston | b | 78 | 39 | 0 |
| G'lburn | g | 77 | 49 | 0·04 |
| Wagga. | b | 76 | 42 | 0 |
| C Geo' | | 70 | 55 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. SEPT. 25 1883.

Sydney Observatory.

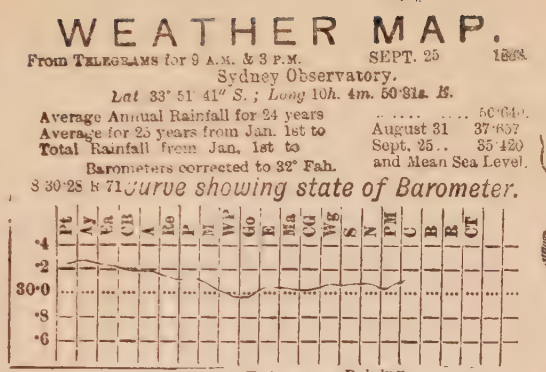
*Lat* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·857
Total Rainfall from Jan. 1st to Sept. 25.. 35·420
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS | WT | M | X | m | R'in |
|---|---|---|---|---|---|
| Casino | . | — | — | — | — |
| Tent'rfield | c | 76 | 47 | 0 | 0·38 |
| Clarence . | c | 79 | 54 | 0 | 0·27 |
| Moree . | . | — | — | — | — |
| Grafton | r | 89 | 46 | 0 | 0·06 |
| Glen Innes | b | 71 | 49 | 0 | 0·27 |
| Inverell . | b | 7. | 47 | 0 | |
| Bourke | b | 89 | 60 | 0 | 0·43 |
| Narrabri . | b | 82 | 40 | 0 | |
| Armidale. | b | 69 | — | 0 | 0·09 |
| Dendem'r | b | 61 | 32 | 0 | 0·14 |
| Gunned'h | b | 83 | 54 | 0 | 0·51 |
| C'n'mble | b | 78 | 49 | 0 | 0·15 |
| Kempsey . | . | — | — | — | — |
| Walcha.. | b | 69 | 39 | 0 | 0·32 |
| Tamw'rth | b | 79 | — | 0 | 0·27 |
| Coonab'n. | . | 89 | 39 | 0 | 0·26 |
| P. M'cqrie | b | 68 | 58 | 0 | 0·10 |
| W'lcannia | b | — | — | 0 | |
| Murr'ndi . | b | 65 | 50 | 0 | 0·37 |
| Taree.. | b | 73 | 57 | 0 | 0·32 |
| Cassilis | b | 66 | 45 | 0 | |
| Muss'br'k | g | 73 | 54 | 0 | 0·07 |
| Dubbo . | o | 80 | 50 | 0 | |
| Menindie. | b | 74 | 49 | 0 | |
| Singleton | b | 69 | 57 | 0 | 0·06 |
| Nels'n's P | c | 74 | 54 | 0 | 0·25 |
| 13 62 | | | | | |
| Mudg | b | 78 | 40 | 0 | 0·07 |
| Maitland. | g | 72 | 55 | 0 | 0·03 |
| Hill End. | f | — | — | 0 | 0·27 |
| N'wcastle | c | 69 | 55 | 0 | 0·13 |
| Orange .. | b | 64 | 40 | 0 | 0·30 |
| Bathurst | g | 70 | 44 | 0 | 0·19 |
| Forbes .. | b | 71 | 45 | 0 | |
| M.Vict'ria | b | 69 | 40 | 0 | 0·40 |
| Carcoar . | b | 67 | 40 | 0 | 0·10 |
| Coud'b'lin | . | — | — | — | — |
| Marsdens | b | 74 | 51 | 0 | |
| Picton .. | c | 68 | 51 | 0 | 0·53 |
| Sydney . | c | 66 | 56 | 0 | 0·33 |
| Wentw'th | b | 71 | 44 | 0 | |
| Young . | b | 84 | 41 | 0 | |
| Woll'g'ng | b | 70 | 47 | 0 | 0·47 |
| Taralga.. | o | 78 | — | 0 | |
| Hay .... | b | 74 | 40 | 0 | |

| Stations. | WT | M | X | m | R'in |
|---|---|---|---|---|---|
| Queanb'an | b | 66 | 46 | 0 | |
| Deniliquin. | o | 70 | 36 | 0 | |
| Moruya .. | g | 66 | 53 | 0 | |
| Kiandra.. | b | 71 | 11 | 0 | |
| Albury ... | o | 71 | 38 | 0 | |
| Bodalla.. | b | 63 | 46 | 0 | 0·18 |
| Cooma .... | c | 73 | 39 | 0 | |
| Eden .... | g | 60 | 52 | 0 | |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers risen about 0·10 on S W coast. For notes to 3 p.m. see under shipping news.

| | | | | | |
|---|---|---|---|---|---|
| M'ss V'l | b | 62 | 43 | 0 | 0·01 |
| Euston | b | 73 | 36 | 0 | |
| G'lburn | b | 70 | 37 | 0 | 0·02 |
| Wagga. | b | 61 | 32 | 0 | |
| C Geo'. | b | 68 | 51 | 0 | |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 a.m. & 6 p.m.** SEPT. 26 [illegible]

Sydney Observatory.

*Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·31s. E.*

| | | |
|---|---|---|
| **Average Annual Rainfall for 34 years** | ...... .... | 50·640. |
| **Average for 25 years from Jan. 1st to** | August 31 | 37·657 |
| **Total Rainfall from Jan. 1st to** | Sept. 26.. | 35·423 |

**Barometers corrected to 32° Fah.** and Mean Sea Level.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| [illegible] .. | b | 81 | 51 | 0·20 |
| [illegible]field | b | 77 | 45 | 0 |
| [illegible]rence . | b | 75 | [illegible] | 0 |
| Moree .. | . | . | — | — |
| Grafton .. | b | 87 | 40 | 0 |
| Gl n Inn's | b | 70 | 45 | 0 |
| Inverell.. | b | 74 | 42 | 0 |
| Bourke . | b | 87 | 54 | 0 |
| Narrabri . | b | 80 | 40 | 0·05 |
| Armidale. | b | 67 | -- | 0 |
| Bendem'r | b | 61 | 31 | 0 |
| Gunned'h | b | 80 | 54 | 0 |
| C'n'mble | b | 67 | 52 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 76 | 55 | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 80 | 39 | 0 |
| P. M'cqrie | b | 74 | 64 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 69 | 48 | 0·16 |
| Taree.. | c | 75 | 56 | 0·04 |
| Cassilis | b | 70 | 52 | 0 |
| Muss'br'k | b | 78 | 49 | 0 |
| Dubbo . | [illegible] | 78 | 49 | 0 |
| Menindie. | b | 75 | 75 | 0 |
| Singleton | b | 73 | 59 | 0·04 |
| Nels'n's B | g | 76 | 55 | 0·03 |
| Mudg | b | 79 | 40 | 0 |
| Maitland. | g | 74 | 56 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | c | 70 | 58 | 0 |
| Orange .. | b | 61 | 40 | 0 |
| Bathurst | f | 68 | 38 | 0·04 |
| Forbes .. | b | 7[illegible] | 4[illegible] | 0 |
| M. Vict'ria | b | 63 | 47 | 0 |
| Carcoar . | b | 64 | 35 | 0 |
| Cond'b lin | . | — | — | — |
| Marsdens | . | — | — | 0 |
| Picton .. | g | 72 | 55 | 0·15 |
| Sydney .. | c | 66 | 59 | 0·03 |
| Went'w'th | g | 74 | 5[illegible] | 0 |
| Young . | b | 85 | 37 | 0 |
| Woll'g'ng | c | 72 | 54 | 0 |
| Taralga.. | g | 70 | — | |
| Hay .. .. | b | 84 | 50 | |

| | | | | |
|---|---|---|---|---|
| M'rs V'l | b | 69 | 49 | 0 |
| Euston | b | 70 | 45 | 0 |
| G'lburn | b | 73 | 44 | 0 |
| Wagga. | b | 68 | 35 | 0 |
| C Geo'. | p | 65 | 54 | 0·07 |

| Stations. | | | | |
|---|---|---|---|---|
| Que[illegible] | [illegible] | [illegible] | 40 | 0 |
| Deni[illegible] | [illegible] | 71 | 49 | 0 |
| Moruya.... | [illegible] | [illegible] | 53 | 0 |
| Kiand.a... | [illegible] | [illegible] | 24 | 0 |
| Albury .... | [illegible] | [illegible] | 40 | 0 |
| Bodalla.. | b | 70 | 45 | 0·03 |
| Cooma .... | c | 73 | [illegible] | 0 |
| Eden ...... | p | 67 | 54 | 0 |

*Curve showing state of Barometer.*

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 27 1883.

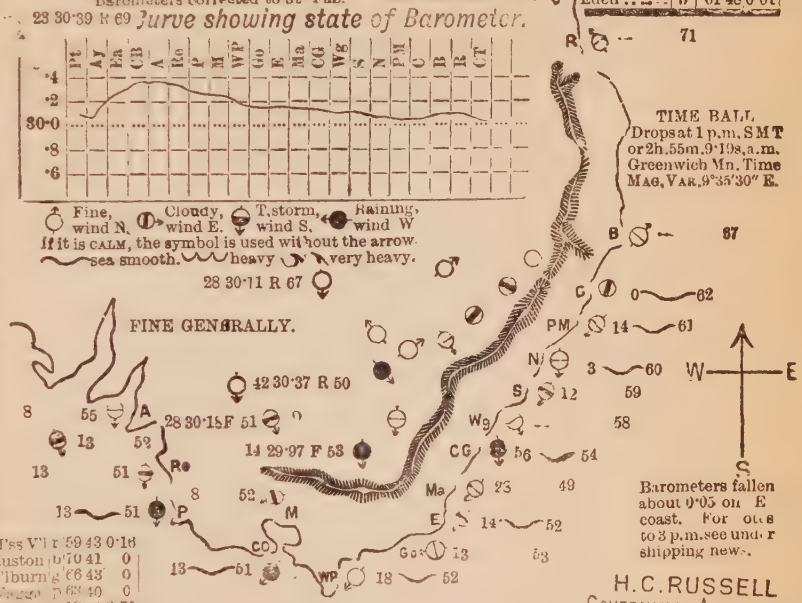
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 27.. 35·624
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 90 | 50 | 0·39 |
| Tent'rfield | g | 78 | 52 | 0 |
| Clarence . | b | 73 | 63 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | g | 85 | 40 | 0 |
| Gl'n Inn's | g | 65 | 50 | 0·27 |
| Inverell.. | b | 75 | 45 | 0·06 |
| Bourke | b | 82 | 54 | 0 |
| Narrabri. | b | 82 | 45 | 0 |
| Armidale. | b | 68 | — | 0·14 |
| Bendem'r | c | 6[illegible] | 30 | 0·09 |
| Gunned'h | b | 81 | 49 | 0 |
| C'n'mble | b | 77 | 50 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 68 | 39 | 0·16 |
| Tamw'rth | b | 64 | — | 0·16 |
| Coonab'n. | b | 79 | 37 | 0 |
| P. M'cqrie | c | 73 | 55 | 0·38 |
| W'lcannia | g | — | — | — |
| Murr'ndi. | g | 65 | 50 | 0·07 |
| Taree.. | g | 75 | 56 | 0·35 |
| Cassilis | g | 75 | 51 | 0 |
| Muss'br'k | b | 68 | 54 | 0·02 |
| Dubbo . | b | 74 | 47 | 0 |
| Menindie. | g | 69 | 56 | 0 |
| Singleton | b | 74 | 58 | 0·07 |
| Nels'n's B | g | 74 | 54 | 0·61 |
| 28 60 Mudg | g | 80 | 47 | 0 |
| Maitland. | g | 74 | 57 | 0·62 |
| Hill End. | g | — | — | 0 |
| N'wcastle | c | 69 | 55 | 0·94 |
| Orange .. | b | 60 | 45 | 0 |
| Bathurst | g | 70 | 40 | 0 |
| Forbes .. | b | 70 | 49 | 0 |
| M. Vict'ria | d | 61 | 43 | 1·15 |
| Carcoar . | g | 65 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 69 | 51 | 0 |
| Picton .. | r | 66 | 52 | 0·73 |
| Sydney .. | c | 61 | 55 | 0·20 |
| Wentw'th | b | 71 | 4[illegible] | 0 |
| Young . | p | 79 | 48 | 0·31 |
| Woll'g'ng | c | 69 | 51 | 0·28 |
| Taralga.. | r | 6[illegible] | — | 0·20 |
| Hay .... | g | 74 | 4[illegible] | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 62 | 47 | 0 |
| Deniliquin. | g | 68 | 43 | 0 |
| Moruya .... | g | 61 | 48 | 0·31 |
| Kiandra.. | s | 55 | 23 | 0·41 |
| Albury ... | d | 72 | 48 | 0·28 |
| Bodalla.. | g | 59 | 40 | 0·20 |
| Cooma .... | r | 56 | 38 | 0·48 |
| Eden ..... | b | 61 | 48 | 0·01 |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | r | 59 | 43 | 0·16 |
| Euston | b | 70 | 41 | 0 |
| G'lburn | g | 66 | 43 | 0 |
| Wagga | p | 63 | 40 | 0 |
| C. Geo' | r | 59 | 50 | 3·70 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** SEPT. 28 **1883.**

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* **E.**

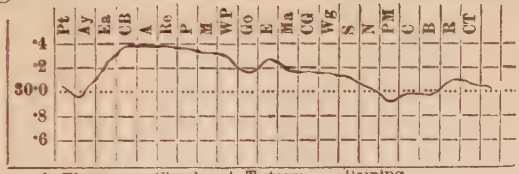
**Average Annual Rainfall for 24 years** ..... 50·640.
**Average for 25 years from Jan. 1st to** August 31 37·657
**Total Rainfall from Jan. 1st to** Sept. 28.. 39·957
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| Stations. | wt | M'x | yd | R'in |
|---|---|---|---|---|
| Casino .. | b | 81 | 50 | 0·09 |
| Tent'rfield | b | 73 | 37 | 0·07 |
| Clarence . | g | 73 | 59 | 0·14 |
| Moree .. | . | . | — | — |
| Grafton .. | b | 70 | 40 | 0 |
| Gl'n Inn's | b | 59 | 38 | 0·80 |
| Inverell. | b | 70 | 36 | 0 |
| Bourke . | . | — | — | — |
| Narrabri . | b | 80 | 38 | 0 |
| Armidale. | b | 62 | - - | 0·35 |
| Bendem'r | g | 51 | 23 | 0·20 |
| Gunned'h | g | 82 | 47 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | c | 61 | 30 | 0·10 |
| Tamw'rth | . | — | — | - - |
| Coonab'n. | . | - - | — | -- |
| P. M'cqrie | b | 72 | 49 | 0·42 |
| W'lcannia | b | — | — | — |
| Murr'ndi . | g | 63 | 43 | 0·80 |
| Taree.. | b | 72 | 48 | 0·36 |
| Cassilis | . | - | — | — |
| Muss'br'k | r | 75 | 42 | 0·72 |
| Dubbo . | . | — | — | — |
| Menindie. | b | 70 | 42 | 0 |
| Singleton | g | 68 | 48 | 1·16 |
| Nels'n's B' | g | 76 | 47 | 0·64 |
| 13 64 Mudg | g | 70 | 42 | 0·13 |
| Maitland. | r | 68 | 46 | 1·20 |
| Hill End. | . | — | — | — |
| N'wcastle | q | 65 | 47 | 1·98 |
| Orange .. | . | — | — | — |
| Bathurst | . | — | — | — |
| Forbes .. | . | — | — | — |
| M. Vict'ria | r | 49 | 33 | 4·30 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | . |
| Picton .. | g | 59 | 45 | 0·82 |
| Sydney .. | p | 62 | 51 | 4·33 |
| Wentw'th | b | 65 | 44 | 0 |
| Young . | . | — | — | |
| Well'g'ng | r | 65 | 47 | 1·70 |
| Taralga.. | r | 50 | — | 0·53 |
| Hay .... | b | 73 | 43 | 1·20 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | r | 49 | 39 | 1·20 |
| Euston | b | 70 | 41 | 0 |
| G'lburn | b | 50 | 40 | 0 |
| Wagga. | b | 61 | 36 | 0·10 |
| C Geo' | r | 59 | 46 | 1·94 |

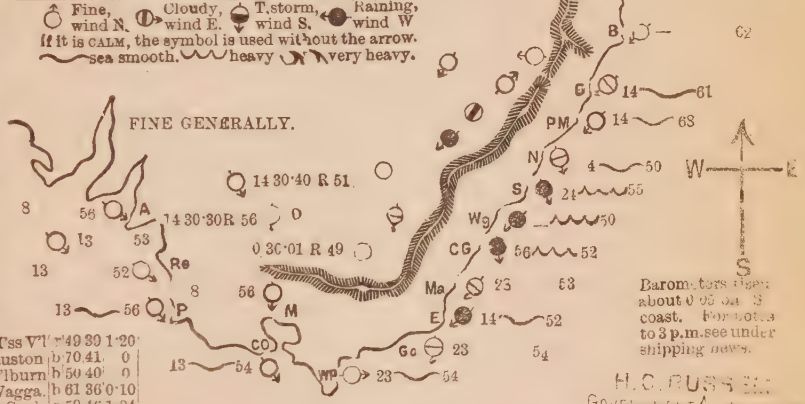
| Stations. | WT | M'x | yd | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 5[illegible] | 47 | 0 |
| Deniliquin. | b | 68 | 38 | 0 |
| Moruya .. | g | 57 | [illegible] | 0 |
| Kiandra.. | s | 49 | 20 | 0·11 |
| Albury ... | b | 68 | 45 | 0·14 |
| Bodalla.. | o | 56 | 46 | 0 |
| Cooma .... | c | 50 | 37 | 0·16 |
| Eden ..... | p | 62 | 51 | 0·01 |

0 30·37 R 70 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.




Barometers risen about 0·05 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. SEPT. 29 1883.

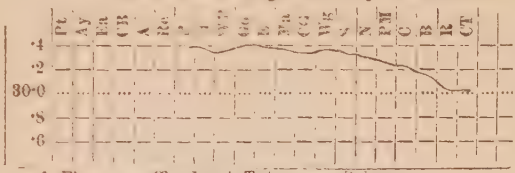
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* : *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 29 .. 40·288
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 57 | 35 | | 0 |
| Deniliquin. | b | 71 | 41 | | 0 |
| Moruya ... | g | 69 | 47 | | 0 |
| Kiandra . | c | 42 | 21 | | 0 |
| Albury ... | . | — | — | | — |
| Bodalla . | b | 61 | 42 | 0 | 02 |
| Cooma .... | c | 55 | 24 | 0 | 04 |
| Eden .... | . | — | — | | — |

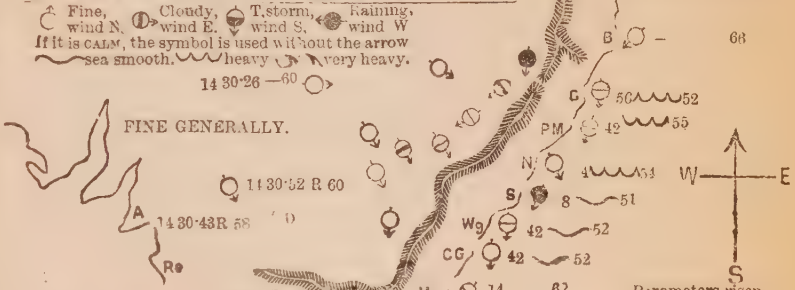
*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time Mag. Var. 35°20″ E.

Barometers risen about 0·30 on E coast. For ot s to 3 p.m. see under shipping news.

| Stations. | WT | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Casino | p | 7[illegible] | | | |
| Ten'f'field | . | [illegible] | | | 0 |
| Clarence . | c | 72 | 53 | 0 | 25 |
| [illegible] | . | — | — | | — |
| [illegible] | [illegible] | [illegible] | | | [illegible] |
| [illegible] | [illegible] | [illegible] | | | [illegible] |
| Inverell | [illegible] | [illegible] | | | [illegible] |
| [illegible] | [illegible] | [illegible] | | | [illegible] |
| [illegible] | [illegible] | [illegible] | | | [illegible] |
| Armidale | [illegible] | [illegible] | | | [illegible] |
| [illegible] | [illegible] | [illegible] | | | [illegible] |
| Gunnedah | . | — | — | | — |
| C'lindale | . | — | — | | — |
| Kempsey | . | — | — | | — |
| Walcha. | p | 48 | [illegible] | 0 | 04 |
| Tamw'rth. | . | — | — | | — |
| Coonab'n. | . | — | — | | — |
| P. M'quri | q | [illegible] | [illegible] | 0 | 00 |
| Wilcannia | . | — | — | | — |
| Murr'ndi. | g | 5[illegible] | [illegible] | 0 | 55 |
| Taree | g | 63 | [illegible] | [illegible] | 36 |
| Cassilis | . | — | — | | — |
| Muss'br'k | p | 63 | 45 | 0 | 55 |
| Dubbo . | b | 71 | [illegible] | | 0 |
| Menindie. | b | 88 | 49 | | 0 |
| Singleton | r | 57 | [illegible] | 0 | 74 |
| Nels'n's B'r | p | 69 | 39 | 1 | 10 |
| Mudg. | . | — | — | | — |
| Maitland. | g | [illegible] | [illegible] | 1 | 27 |
| Hill End. | . | — | — | | — |
| N'weastle | b | [illegible] | [illegible] | 1 | 17 |
| Orange .. | c | [illegible] | | | 0 |
| Bathurst | c | 51 | 40 | | 0 |
| Forbes .. | b | 63 | 41 | | 0 |
| M. Vict'ria | g | 44 | 35 | 0 | 22 |
| Carcoar . | . | 55 | 38 | | 0 |
| Cond'b'lin | . | — | — | | — |
| Maitlands | p | [illegible] | [illegible] | | 0 |
| Picton .. | b | [illegible] | [illegible] | [illegible] | 07 |
| Sydney . | b | 60 | 49 | 0 | 33 |
| Went'w'th | b | [illegible] | [illegible] | | 0 |
| Young . | b | [illegible] | [illegible] | | [illegible] |
| Woll'g'ng | c | 67 | [illegible] | 0 | 55 |
| Taralga.. | g | 57 | [illegible] | | 0 |
| Hay .... | b | 7[illegible] | 44 | | 0 |
| M'ss V'l'g | g | 48 | 37 | 0 | 45 |
| Euston | b | 73 | 38 | | 0 |
| G'lburn | b | 55 | 36 | | 0 |
| Wagga. | b | 62 | 32 | | 0 |
| C Geo' | b | 60 | 45 | 0 | 35 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

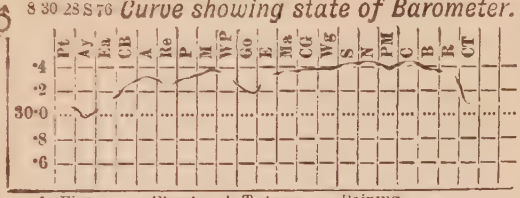
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 1 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·340.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 29 .. 40·526
Barometers corrected to 32° Fah. and Mean Sea Level.

8 30 28 S 76 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.

14 30·27 R 73

FINE GENERALLY.

28 30·37 F 51

14 30·44 R 65

0 30·13 52

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E.

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 74 | 45 | 0·05 |
| Tent'rfield | b | 73 | 30 | |
| Clarence . | b | 67 | 53 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 74 | 48 | 0 |
| Gl'n Inn's | b | 68 | 34 | 0 |
| Inverell. | b | 70 | 42 | 0 |
| Bourke | b | 78 | 52 | 0 |
| Narrabri . | b | 80 | 39 | 0 |
| Armidale. | b | 59 | — | 0 |
| Bendem'r | b | 58 | 52 | 0 |
| Gunned'h | b | 74 | 47 | 0 |
| C'n'mble | b | 71 | 46 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 62 | 35 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 70 | 32 | 0 |
| P. M'cqrie | b | 68 | 48 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 62 | 42 | 0 |
| Taree.. | b | 65 | 44 | 0 |
| Cassilis | c | 67 | 48 | 0 |
| Muss'br'k | b | 69 | 40 | 0·10 |
| Dubbo . | b | 68 | 46 | 0 |
| Menindie. | b | 76 | 49 | 0 |
| Singleton | b | 61 | 45 | 0 |
| Nels'n's R. | b | 74 | 38 | 0 |
| S 77 | | | | |
| Mudg | b | 74 | 31 | 0 |
| Maitland. | o | 66 | 44 | 0·22 |
| Hill End. | . | — | — | — |
| N'weastle | b | 63 | 45 | 0 |
| Orange .. | b | 54 | 34 | 0 |
| Bathurst | b | 63 | 31 | 0 |
| Forbes .. | b | 71 | 29 | 0 |
| M. Vict'ria | b | 51 | 33 | 0·05 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 71 | 47 | 0 |
| Picton .. | b | 62 | 30 | 0 |
| Sydney .. | b | 68 | 46 | 0·25 |
| Wentw'th | b | 81 | 47 | 0 |
| Young . | b | 52 | 40 | 0 |
| Woll'g'ng | b | 66 | 40 | 0 |
| Taralga.. | b | 75 | — | 0 |
| Hay .... | b | 71 | 50 | 0 |
| M'ss V'l | b | 59 | 35 | 0·03 |
| Euston | b | 82 | 39 | 0 |
| G'lburn | b | 68 | 29 | 0 |
| Wagga. | b | 68 | 31 | 0 |
| C Geo' | b | 66 | 50 | 0 |

| Stations. | WT | M | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 62 | 38 | | 0 |
| Deniliquin. | b | 78 | 40 | | 0 |
| Moruya .. | b | 64 | 40 | | 0 |
| Kiandra.. | b | 75 | 16 | | 0 |
| Albury ... | b | 74 | 40 | | 0 |
| Bodalla.. | o | 71 | 50 | | 0 |
| Cooma .... | b | 70 | 31 | | 0 |
| Eden ..... | b | 69 | 46 | | 0 |

# WEATHER MAP.

... TELEGRAMS for 9 A.M. & 3 P.M. OCT 2 1883

... Observatory

Lat. 33 51 41 S., Long 10h. 4m. 50·81s. E

Average Annual Rainfall for 24 years ... 40·640.

Average for ... August 31 37·657

... Sept. 29 40·526

... corrected to 32 Fah ... and Mean Sea Level.

| Stations. | | | | |
|---|---|---|---|---|
| [illegible] | b | 7[illegible] | | |
| Te[illegible]rfield | b | 7[illegible] | | |
| Cl[illegible] | [illegible] | | | |
| Moree | . | | | |
| Grafton | b | 80 | 40 | 0 |
| Gl[illegible] | [illegible] | | | |
| In[illegible] | [illegible] | | | |
| Bourke | b | [illegible] | | |
| Narrabri. | b | 80 | 42 | 0 |
| Armidale. | [illegible] | | | |
| Bendem'r | b | 61 | 26 | 0 |
| Gunned'h | b | 79 | [illegible] | 0 |
| C'n'mble | [illegible] | 71 | [illegible] | |
| Kempsey | . | — | — | |
| Walcha.. | b | 66 | 32 | 0 |
| Tamw'rth | . | — | | — |
| Coonab'n.. | b | 7[illegible] | [illegible] | 0 |
| P. M'q'rie | b | [illegible] | | |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 6[illegible] | [illegible] | |
| Taree. | b | [illegible] | | |
| Cassilis | c | [illegible] | 52 | |
| Muss'br'k | b | 71 | 41 | |
| Dubbo . | b | [illegible] | | 0 |
| Menindie. | . | — | — | |
| Singleton | b | 66 | 46 | 0 |
| Nels'n's B' | b | 7[illegible] | 40 | |
| Mudg | c | 7[illegible] | [illegible] | |
| Maitland. | o | 65 | 46 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 64 | 45 | 0 |
| Orange .. | b | 59 | 36 | 0 |
| Bathurst | b | 69 | 45 | 0 |
| Forbes .. | b | 75 | 41 | 0 |
| M. Vict'ria | b | 61 | 40 | 0 |
| Carcoar . | . | — | | |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 74 | 50 | 0 |
| Picton .. | b | 62 | 37 | 0 |
| Sydney .. | b | 65 | 48 | 0 |
| Wentw'th | . | — | | — |
| Young . | b | 65 | 39 | 0 |
| Woll'g'ng | . | — | — | |
| Taralga.. | b | 78 | — | 0 |
| Hay .. | b | 80 | 46 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 66 | 40 | 0 |
| Euston | . | — | — | — |
| G'lburn | b | 74 | 31 | 0 |
| Wagga. | b | 72 | 35 | 0 |
| C Geo' | b | 66 | 45 | 0 |

| Stations. | W | | | |
|---|---|---|---|---|
| Queanbe'an | b | 65 | 40 | 0 |
| Deniliquin. | . | — | — | — |
| Moruya . . | b | 64 | 45 | 0 |
| Kiandra.. | b | 65 | 17 | 0 |
| Albury ... | b | 76 | 42 | 0 |
| Bodalla , | b | 70 | 38 | |
| Cooma . . | o | 73 | 34 | 0 |
| Eden .... | b | 61 | 46 | 0 |

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E.

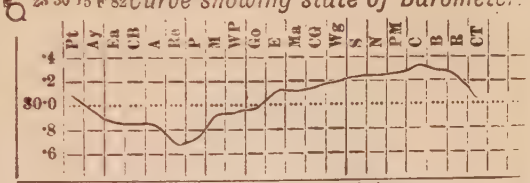
Average Annual Rainfall for 24 years . . 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 29 .. 40·526
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS. | WT | M'X | Y | R'in |
|---|---|---|---|---|
| Casino . | b | 80 | 40 | 0 |
| Tent'rfield | b | 73 | 36 | |
| Clarence . | b | 71 | 56 | 0 |
| Moree .. | . | | - | - - |
| Grafton | b | 82 | 44 | 0 |
| Gl'n Inn's | b | 65 | 41 | 0 |
| Inverell. | b | 75 | 44 | 0 |
| Bourke | b | 89 | 59 | 0 |
| Narrabri . | b | 78 | 42 | 0 |
| Armidale. | b | 65 | - - | 0 |
| Bendem'r | b | 61 | 37 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | b | 80 | 47 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 68 | 24 | 0 |
| Tamw'rth | . | — | - | — |
| Coonab'n. | b | 73 | 35 | 0 |
| P. M'cqrie | b | 72 | 48 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 68 | 47 | 0 |
| Taree. | b | — | - - | 0 |
| Cassilis | b | 65 | 48 | 0 |
| Muss'br'k | b | 77 | 44 | 0 |
| Dubbo . | b | 74 | 50 | 0 |
| Menindie. | . | — | — | — |
| Singleton | b | 71 | 50 | 0 |
| Nels'n's B' | b | 75 | 46 | 0 |
| 0 63 | | | | |
| Mudg | b | 79 | 37 | 0 |
| Maitland. | b | — | - | 0 |
| Hill End. | . | — | — | -- |
| N'wcastle | b | 70 | 50 | 0 |
| Orange .. | b | 62 | 41 | 0 |
| Bathurst | b | 71 | 39 | 0 |
| Forbes .. | b | 79 | 49 | 0 |
| M. Vict'ria | b | 60 | 45 | 0 |
| Carcoar . | b | 63 | 52 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 76 | 50 | 0 |
| Picton .. | b | 69 | 39 | 0 |
| Sydney .. | b | 67 | 51 | 0 |
| Wentw'th | . | — | — | — |
| Young . | b | 83 | 44 | 0 |
| Woll'g'ng | b | 74 | 46 | 0 |
| Taralga.. | b | 75 | -- | 0 |
| Hay ... | c | 93 | 34 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 68 | 55 | 0 |
| Euston . | | - - | - - | — |
| G'lburn | b | 76 | 33 | 0 |
| Wagga. | g | 77 | 40 | 0 |
| C Geo' | b | 68 | 43 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 68 | 43 | 0 |
| Deniliquin. | . | — | — | — |
| Moruya .. . | b | 57 | 45 | 0 |
| Kiandra.. | b | 78 | 61 | 0 |
| Albury ... | c | 78 | 44 | 0 |
| Bodalla.. | b | 74 | 35 | 0 |
| Cooma .... | b | 74 | 31 | 0 |
| Eden .... . | b | 64 | 48 | 0 |

23 30 15 F 82 *Curve showing state of Barometer.*

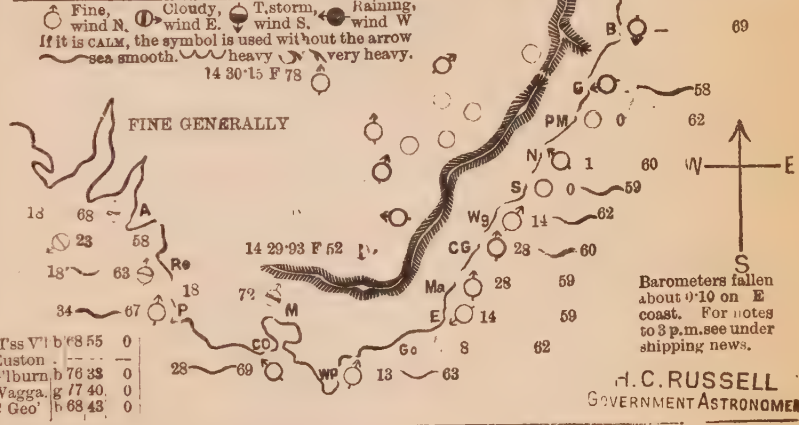



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

14 30·15 F 78




Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS ... A.M. & 3 P.M. OCT 4 1883.

Sydney Observatory.

*Lat* 33° 5 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ... 50·840.
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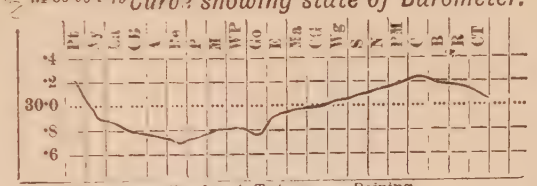
34 30 30 F 79 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
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sea smooth. heavy very heavy.

28 29·98 F 71

FINE GENERALLY

28 29·72— 73

28 29·85—62

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·15 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| Stations. | W | T | M. | A | Min | R. | S. |
|---|---|---|---|---|---|---|---|
| Queanbe'an | g | 70 | 5 | | | | 0 |
| Deniliquin. | g | 86 | 50 | | 0 | | 19 |
| Moruya . . | g | 67 | 50 | | | | 6 |
| Kiandra . . | c | 65 | 40 | | | | 0 |
| Albury . . | g | 78 | 51 | | | | 0 |
| Bodalla . . | b | 80 | 54 | | | | 0 |
| Cooma . . . . | c | 73 | 45 | | | | 0 |
| Eden . . . . | b | 68 | 56 | | 0 | | 02 |

| STATIONS | W | T | M. | A | Min | R. |
|---|---|---|---|---|---|---|
| Casino | b | 82 | 40 | | | 0 |
| Tenterfield | b | 72 | 55 | | 0 | 04 |
| Clarence . . | b | 72 | 58 | | | 0 |
| Moree . . | . | | | | | |
| Grafton | b | 75 | 45 | | | 0 |
| Gl'n Inn's | b | 69 | 40 | | 0 | 10 |
| Inverell. | b | 75 | 45 | | | 0 |
| Bourke | g | 89 | 60 | | | 0 |
| Narrabri . | g | 83 | 43 | | | 0 |
| Armidale. | t | 65 | — | | 0 | 08 |
| Bendem'r | b | 60 | 31 | | | 0 |
| Gunned'h | . | — | — | | | — |
| C'n'mble | t | 82 | 56 | | | 0 |
| Kempsey | . | — | — | | | — |
| Walcha.. | b | 64 | 30 | | | 0 |
| Tamw'rth | . | — | — | | | — |
| Coonab'n. | b | 78 | 39 | | | 0 |
| P. M'cqrie | b | 75 | 49 | | | 0 |
| W'leannia | . | — | — | | | — |
| Murr'ndi. | b | 65 | 50 | | | 0 |
| Taree. | b | 74 | 46 | | | 0 |
| Cassilis | g | 75 | 45 | | | 0 |
| Muss'br'k | b | 80 | 46 | | | 0 |
| Dubbo . | g | 75 | 50 | | | 0 |
| Menindie. | g | 87 | 50 | | | 0 |
| Singleton | b | 75 | 55 | | | 0 |
| Nels'n's P | b | 69 | 45 | | | 0 |
| 0 62 | | | | | | |
| Mudg | g | 70 | 39 | | | 0 |
| Maitland. | b | 69 | 50 | | | 0 |
| Hill End. | . | — | — | | | — |
| N'wcastle | b | 70 | 52 | | | 0 |
| Orange .. | b | 66 | 43 | | | 0 |
| Bathurst | b | 73 | 42 | | | 0 |
| Forbes .. | g | 83 | 60 | | | 0 |
| M. Vict'ria | | 64 | 48 | | | 0 |
| Carcoar . | . | — | — | | | — |
| Coud'b'lin | . | — | — | | | — |
| Marsdens | g | 78 | 55 | | | 0 |
| Picton .. | b | 73 | 43 | | | 0 |
| Sydney . | b | 70 | 56 | | 0 | 01 |
| Wentw'th | c | 86 | 61 | | 0 | 08 |
| Young . | g | 80 | 53 | | | 0 |
| Woll'g'ng | b | 72 | 53 | | | 0 |
| Taralga.. | g | 77 | — | | | 0 |
| Hay .... | g | 85 | 49 | | 0 | 06 |

| | | | | | | |
|---|---|---|---|---|---|---|
| M'ss V'll | g | 72 | 50 | | | 0 |
| Euston | r | 83 | 59 | | | 0 |
| G'lburn | b | 77 | 34 | | | 0 |
| Wagga. | c | 80 | 53 | | | 0 |
| C. Geo' | b | 60 | 54 | | | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 5 1883.

Sydney Observatory.

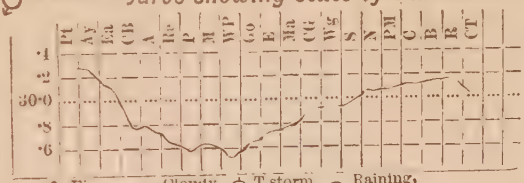
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to August 31 37·657
Total Rainfall from Jan. 1st to Sept. 29.. 40·526
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Vr | R'in |
|---|---|---|---|---|
| Casino ... | b | 82 | 40 | 0 |
| Tent'rfield | b | 77 | 40 | 0 |
| Clarence . | b | 72 | 57 | 0 |
| Moree .. | . | - | - | — |
| Grafton | b | 82 | 42 | 0 |
| Gl'n Inn's | b | 70 | 47 | 0 |
| Inverell. | b | 75 | 42 | 0 |
| Bourke | g | 87 | 68 | 0·01 |
| Narrabri. | r | 80 | 59 | 0 |
| Armidale. | b | 65 | -- | 0 |
| Bendem'r | g | 53 | 38 | 0 |
| Gunned'h | g | 52 | 58 | 0 |
| C'n'mble | b | 82 | 65 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 69 | 38 | 0 |
| Tamw'rth | . | — | - | — |
| Coonab'n. | g | 78 | 51 | 0 |
| P. M'cqrie | c | 74 | 58 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi. | g | 71 | 55 | 0 |
| Taree.. | b | 78 | 54 | 0 |
| Cassilis | g | 73 | 55 | 0 |
| Muss'br'k | g | 82 | 53 | 0 |
| Dubbo . | g | 77 | 56 | 0 |
| Menindie. | b | 75 | 62 | 0·15 |
| Singleton | g | 77 | 57 | 0 |
| Nels'n's B. | g | 73 | 45 | 0 |
| 28 54 Mudg | g | 81 | 51 | 0 |
| Maitland. | g | 77 | 57 | 0 |
| Hill End. | . | — | — | -- |
| N'wcastle | g | 72 | 57 | 0 |
| Orange .. | g | 68 | 55 | 0 |
| Bathurst | g | 73 | 54 | 0 |
| Forbes .. | p | 72 | 64 | 0 |
| M.Vict'ria | g | 67 | 53 | 0 |
| Carcoar . | . | - | — | — |
| Cond'b'lin. | . | — | — | — |
| Marsdens | r | 74 | 60 | 0 |
| Picton .. | p | 70 | 48 | 0 |
| Sydney .. | c | 74 | 61 | 0 |
| Wentw'th | b | 78 | 58 | 0 |
| Young . | p | 71 | 60 | 0·01 |
| Wolf'g'ng | g | 72 | 52 | 0 |
| Taralga.. | b | 67 | - | 0 |
| Hay .... | c | 85 | 54 | 0·10 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 64 | 53 | 0 |
| Deniliquin. | g | 69 | 58 | 0·21 |
| Moruya .. | g | 67 | 58 | 0 |
| Kiandra.. | r | 59 | 40 | 0·08 |
| Albury ... | r | 62 | 56 | 0·75 |
| Bodalla.. | g | 70 | 52 | 0 |
| Cooma .... | q | 58 | 50 | 0 |
| Eden .... | g | 69 | 58 | 0 |

23 30 03 R 71 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

— 29·91 F 67

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers fallen about 0·15 on E coast. For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 76 | 54 | 0 |
| Euston | g | 77 | 57 | 0·03 |
| G'lburn | b | 72 | 54 | 0 |
| Wagga. | r | 70 | 50 | 0·16 |
| C Geo' | | 67 | 57 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 6 1883.

Sydney Observatory.

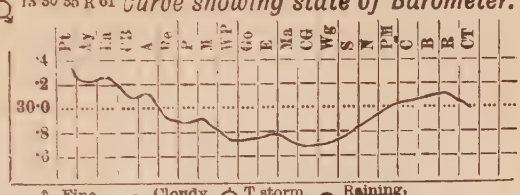
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *B.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 6 .. 40·552
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | c | 89 | 49 | 0 |
| Tent'rfield | g | 75 | 47 | 0 |
| Clarence . | g | 74 | 62 | 0 |
| Moree . | g | | – | 0·03 |
| Grafton | g | 83 | 43 | 0 |
| Gl'n Inn's | g | 66 | 50 | 0 |
| Inverell . | b | 70 | 44 | 0 |
| Bourke . | g | 78 | 59 | 0·68 |
| Narrabri . | r | 75 | 42 | 0·08 |
| Armidale . | g | 61 | – | 0 |
| Bendem'r | r | 54 | 35 | 0·23 |
| Gunned'h | d | 82 | 58 | 0·18 |
| C'n'mble | g | 75 | 58 | 0·60 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 58 | 46 | 0 |
| Tamw'rth | . | — | – | — |
| Coonab'n. | p | 73 | 54 | 1·03 |
| P. M'cqrie | g | 72 | 63 | 0 |
| W'lcannia | b | – | — | 1·00 |
| Murr'ndi . | r | 65 | 55 | 0·15 |
| Taree. | g | 74 | 59 | 0·03 |
| Cassilis | p | 73 | 63 | 0 |
| Muss'br'k | g | 80 | 57 | 0·02 |
| Dubbo . | p | 69 | 54 | 0·54 |
| Menindie. | b | 74 | 50 | 0·27 |
| Singleton | g | 74 | 60 | 0·01 |
| Nels'n's B | g | 73 | 60 | 0 |
| 8 58 Mudg | p | 71 | 51 | 0 50 |
| Maitland. | r | 75 | 5[illegible] | 0 |
| Hill End. | r | – | — | 0·73 |
| N'wcastle | r | 75 | 50 | 0 |
| Orange .. | r | 60 | 38 | 1·00 |
| Bathurst | r | 65 | 52 | 0·38 |
| Forbes . | g | 65 | 50 | 0·68 |
| M. Vict'ria | p | 64 | 50 | 0·06 |
| Carcoar . | r | 62 | 50 | 0·50 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 67 | 51 | 0·75 |
| Picton .. | . | – | – | — |
| Sydney . | g | 69 | 62 | 0·01 |
| Wenw'th | r | 68 | [illegible] | 0 |
| Young | g | [illegible] | [illegible] | [illegible] |
| Woll'g'ng | g | 71 | 58 | 0 |
| Taralga. | r | 65 | – | 0·[illegible] |
| Hay . | b | [illegible] | 40 | [illegible] |

| Stations. | WT | M,X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 63 | 53 | 0·22 |
| Deniliquin. | b | 72 | 43 | 0·02 |
| Moruya .. .. | p | 75 | 52 | 0·13 |
| Kiandra.. | c | 50 | 35 | 3·12 |
| Albury ... | g | 68 | 51 | 1·30 |
| Bodalla.. | g | 78 | 51 | 0·33 |
| Cooma .... | c | 68 | 44 | 0·11 |
| Eden ... .. | r | 72 | 52 | 0·71 |

13 30 35 R 61 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

28 29·93 R 59

Barometers fallen about 0·15 on E coast. For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 66 | 54 | 0 |
| Elston | b | 70 | 39 | 0 |
| G'lburn | g | 91 | 94 | 0·04 |
| Wagga. | g | 66 | 44 | 2·63 |
| Geo' | g | 67 | 57 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 8 1883.

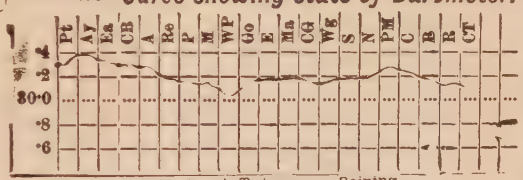
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 8 .. 41·045
and Mean Sea Level.

Barometers corrected to 32° Fah.

0 30 37 R 69 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

30·21 R 67

| STATIONS. | wt | M'x | m | R'in |
|---|---|---|---|---|
| Casino .. | o | 83 | 45 | 0 |
| Tent'rfield | b | 70 | 38 | 0 |
| Clarence . | c | 70 | 58 | 0 |
| Moree .. | l | . | — | 0·60 |
| Grafton .. | b | 83 | 38 | 0 |
| Gl n Inn's | b | 61 | 45 | 0·48 |
| Inverell. | b | 76 | 46 | 0·55 |
| Bourke | b | 77 | 52 | 0 |
| Narrabri. | b | 73 | 38 | 0 |
| Armidale. | b | 60 | — | 0 |
| Bendem'r | g | 53 | 30 | 0 |
| Gunned'h | c | 74 | 47 | 0 |
| C'n'mble | b | 67 | 54 | 0·13 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 60 | 6 | 0 |
| Tamw'rth | b | 64 | — | 0 |
| Coonab'n. | b | 56 | 42 | 0·29 |
| P. M'cqrie | g | 67 | 48 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | g | 61 | 41 | 0 |
| Taree.. | g | 70 | 46 | 0 |
| Cassilis | g | 72 | 55 | 0·65 |
| Muss'br'k | g | 72 | 46 | 0·26 |
| Dubbo . | b | 66 | 46 | 0 |
| Menindie. | b | 57 | 52 | 0 |
| Singleton | b | 68 | 52 | 0 |
| Nels'n's B. | g | 69 | 52 | 0 |
| 8 60 | | | | |
| Mudg | g | 74 | 35 | 0·23 |
| Maitland. | g | 75 | 51 | 0·10 |
| Hill End. | b | — | — | 0·29 |
| N'wcastle | c | 69 | 53 | 0·32 |
| Orange .. | b | 55 | 57 | 0 |
| Bathurst | c | 58 | 54 | 0·10 |
| Forbes .. | b | 66 | 38 | 0 |
| M. Vict'ria | b | 58 | 35 | 0·31 |
| Carcoar . | g | 64 | 40 | 0·05 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 65 | 47 | 0 |
| Picton .. | c | 68 | 48 | 0·13 |
| Sydney .. | g | 66 | 53 | 0·49 |
| Wentw'th | b | 68 | 39 | 0 |
| Young . | b | 72 | 37 | 0 |
| Woll'g'ng | c | 71 | 47 | 0·30 |
| Taralga.. | b | 62 | — | 0 |
| Hay .... | b | 79 | 42 | 0 |

| Stations. | WT | M | X | M | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 64 | 37 | | 0 |
| Deniliquin. | b | 67 | 42 | | 0 |
| Moruya .. | g | 60 | 49 | 0 | 21 |
| Kiandra.. | n | 52 | 23 | 0 | 04 |
| Albury ... | c | 62 | 43 | | 0 |
| Bodalla.. | b | 61 | 36 | 0 | 28 |
| Cooma .... | c | 64 | 38 | | 0 |
| Eden .... | b | 64 | 56 | | 0 |

71

TIME BALL
Drops at 1 p.m, SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·35 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 9 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ... 50·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 9 .. 41·045
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 85 | 44 | 0 |
| Tent'rfield | b | 70 | 35 | 0 |
| Clarence . | l | 73 | 57 | 0 |
| Moree . | . | — | — | — |
| Grafton | b | 82 | 40 | 0 |
| Gl n Inn's | b | 62 | 36 | 0 |
| Inverell. | b | 75 | 41 | 0 |
| Bourke | b | 80 | 52 | 0 |
| Narrabri. | b | 75 | 38 | 0 |
| Armidale. | b | 59 | — | 0 |
| Bendem'r | b | 54 | 29 | 0 |
| Gunned'h | b | 75 | 41 | 0 |
| C'n'mble | b | 70 | 43 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 59 | 26 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 69 | 32 | 0 |
| P. M'cqrie | b | 69 | 50 | 0·11 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 63 | 40 | 0 |
| Taree. | b | 71 | 47 | 0 |
| Cassilis | b | 65 | 43 | 0 |
| Muss'br'k | b | 76 | 47 | 0 |
| Dubbo . | g | 64 | 43 | 0 |
| Menindie. | b | 71 | 55 | 0 |
| Singleton | b | 70 | 49 | 0 |
| Nels'n's B. | b | 70 | 46 | 0·03 |
| 8 59 | | | | |
| Mudg | b | 72 | 33 | 0 |
| Maitland. | b | 69 | 46 | 0·15 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 65 | 47 | 0·08 |
| Orange .. | c | 60 | 30 | 0 |
| Bathurst | g | 69 | 48 | 0 |
| Forbes .. | b | 67 | 42 | 0 |
| M. Vict'ria | g | 56 | 39 | 0 |
| Carcoar . | g | 57 | 30 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 65 | 0 | 0 |
| Picton .. | c | 67 | 43 | 0·21 |
| Sydney .. | c | 62 | 49 | 0 |
| Wentw'th | b | 74 | 49 | 0 |
| Young . | g | 75 | 43 | 0·02 |
| Woll'g'ng | b | 62 | 46 | 0·77 |
| Taralga.. | b | 70 | — | 0 |
| Hay .... | b | 71 | 50 | 0 |
| M'ss V'l. | b | 62 | 47 | 0 |
| Euston | b | 76 | 47 | 0 |
| G'lburn | b | 61 | 45 | 0 |
| Wagga. | b | 61 | 41 | 0 |
| C Geo' | b | 64 | 54 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 62 | 40 | 0 |
| Deniliquin. | b | 73 | 48 | 0·03 |
| Moruya . | b | 63 | 45 | 0 |
| Kiandra.. | r | 61 | 29 | 0 |
| Albury ... | p | 66 | 45 | 0·24 |
| Bodalla . | b | 61 | 38 | 0·07 |
| Cooma . . | b | 63 | 30 | 0 |
| Eden .... | b | 64 | 47 | 0·11 |

8 30 35 h 66 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

0 30·11 h 73

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers fallen about 0·15 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** OCT 10 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 10 .. 41·095
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M'x | V'r | R'in |
|---|---|---|---|---|
| Casino . | b | 83 | 44 | 0 |
| Tent'rfield | b | 68 | 35 | 0 |
| Clarence . | b | 73 | 57 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | b | 85 | 44 | 0 |
| Gl'n Inn's | b | 62 | 40 | 0 |
| Inverell. | b | 75 | 45 | 0 |
| Bourke | b | 85 | 53 | 0 |
| Narrabri . | b | 80 | 45 | 0 |
| Armidale. | b | 61 | — | 0 |
| Bendem'r | c | 68 | 32 | 0 |
| Gunned'h | b | 79 | 48 | 0 |
| C'n'mble | b | 75 | 50 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 60 | 31 | 0·01 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 73 | 44 | 0 |
| P. M'cqrie | b | 70 | 61 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 64 | 40 | 0 |
| Taree. | b | 72 | 51 | 0 |
| Cassilis | b | 65 | 45 | 0 |
| Muss'br'k | b | 76 | 46 | 0 |
| Dubbo . | b | 79 | 52 | 0 |
| Menindie. | b | 70 | 49 | 0 |
| Singleton | b | 70 | 50 | 0 |
| Nels'n's B' | c | 63 | 48 | 0·35 |
| Mudg | b | 74 | 36 | 0 |
| Maitland. | b | 68 | 49 | 0·25 |
| Hill End. | . | — | — | — |
| N'weastle | b | 71 | 51 | 0·39 |
| Orange .. | b | 60 | 39 | 0 |
| Bathurst | b | 61 | 45 | 0·09 |
| Forbes .. | b | 71 | 42 | 0 |
| M. Vict'ria | b | 55 | 34 | 0·06 |
| Carcoar . | b | 55 | 35 | 0·23 |
| Cond'b'lin | . | — | — | — |
| Mursdens | b | 68 | 47 | 0 |
| Picton .. | b | 70 | 42 | 0 |
| Sydney .. | c | 68 | 50 | 0·05 |
| Wentw'th | b | 66 | 42 | 0 |
| Young . | b | 67 | 35 | 0·30 |
| Woll'g'ng | b | 72 | 44 | 0·09 |
| Taralga.. | g | 60 | — | 0 |
| Hay .... | b | 76 | 40 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 63 | 37 | 0·21 |
| Euston | b | 71 | 37 | 0 |
| G'lburn | b | 66 | 37 | 0·32 |
| Wagga.. | b | 65 | 33 | 0·33 |
| Geo' | b | 64 | 45 | 0·11 |

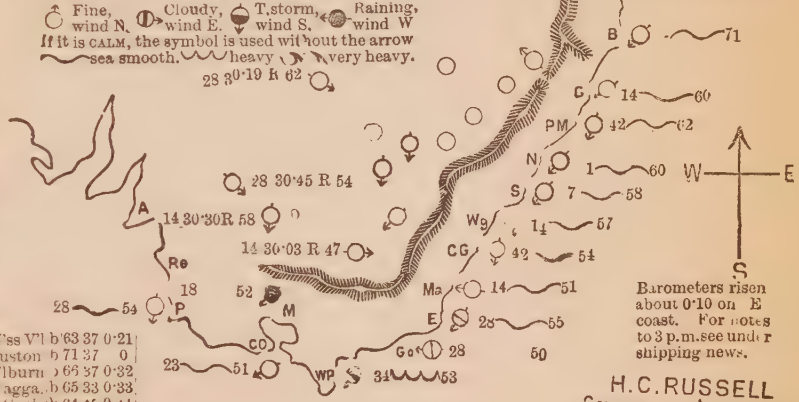
| Stations. | WT | M'x | Min | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 58 | 30 | 0 |
| Deniliquin. | b | 64 | 36 | 0·09 |
| Moruya .. . | b | 66 | 46 | 0·21 |
| Kiandra.. | b | 68 | 11 | 0·30 |
| Albury ... | b | 64 | 37 | 0·16 |
| Bodalla.. | b | 75 | 33 | 0·32 |
| Cooma .... | c | 61 | 33 | 0·10 |
| Eden .... | q | 60 | 55 | 0·57 |

*Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.




TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

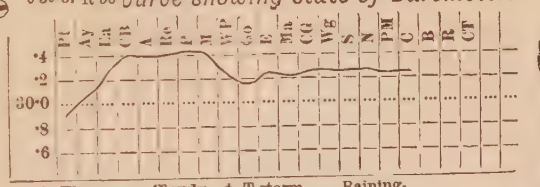
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 11 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan, 1st to Oct. 11 .. 41·142
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·37 R 56 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

28 30·18 F 63

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | o | 83 | 47 | 0 |
| Tent'rfield | b | 74 | 40 | 0 |
| Clarence . | b | 70 | 57 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 87 | 44 | 0 |
| Gl n Inn's | . | — | — | — |
| Inverell.. | b | 70 | 45 | 0 |
| Bourke .. | b | 79 | 51 | 0 |
| Narrabri . | b | 80 | 42 | 0 |
| Armidale. | b | 64 | — | 0 |
| Bendem'r | b | 60 | 31 | 0 |
| Gunned'h | b | 79 | 48 | 0 |
| C'n'mble | b | 70 | 49 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | b | 65 | 39 | 0 |
| Tamw'rth . | — | — | — | — |
| Coonab'n. | b | 70 | 34 | 0 |
| P. M'cqrie | b | 66 | 32 | 0 |
| W'lcannia . | — | — | — | — |
| Murr'ndi . | b | 65 | 45 | 0 |
| Taree.. | g | 74 | 52 | 0 |
| Cassilis | g | 66 | 45 | 0 |
| Muss'br'k | b | 75 | 46 | 0 |
| Dubbo .. | b | 71 | 49 | 0 |
| Menindie. | b | 68 | 49 | 0 |
| Singleton | n | 69 | 52 | 0 |
| Nels'n's B. | g | 70 | 49 | 0·45 |
| 28 62 Mudg | b | 78 | 37 | 0 |
| Maitland. | b | 68 | 48 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle. | g | 67 | 52 | 0·01 |
| Orange .. | b | 56 | 39 | 0 |
| Bathurst | b | 63 | 45 | 0 |
| Forbes .. | b | 68 | 41 | 0 |
| M. Vict'ria | g | 61 | 39 | 0 |
| Carcoar . | b | 48 | 35 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 68 | 50 | 0 |
| Picton .. | c | 65 | 46 | 0 |
| Sydney .. | b | 62 | 53 | 0 |
| Wentw'th | b | 68 | 44 | 0 |
| Young . | b | 74 | 38 | 0 |
| Woll'g'ng | b | 71 | 48 | 0 |
| Taralga.. | b | 68 | — | 0 |
| Hay .... | b | 71 | 49 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 59 | 36 | 0 |
| Deniliquin. | b | 65 | 38 | 0 |
| Moruya .... | b | 63 | 43 | 0 |
| Kiandra.. | b | 51 | 20 | 0 |
| Albury .... | b | 65 | 42 | 0 |
| Bodalla.. | b | 70 | 36 | 0 |
| Cooma .... | c | 58 | 34 | 0 |
| Eden ..... | b | 61 | 59 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 62 | 43 | 0 |
| Euston | b | 70 | 42 | 0 |
| G'lburn | b | 64 | 42 | 0 |
| Wagga. | b | 65 | 33 | 0 |
| C Geo' | b | 64 | 50 | 0 |

TIME BALL
Drops at 1 p.m, SMT
or 2h,55m,9·19s,a.m.
Greenwich Mn. T.me
MAG, VAR, 9°35′30″ E

Barometers risen about 0·15 on E coast. For notices to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From TELEGRAMS for 9 A.M. & 3 P.M. OCT 12 1888.**

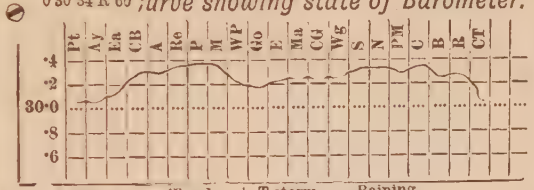
**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| **Average Annual Rainfall for 24 years** | ..... ..... | 50·640. |
| **Average for 25 years from Jan. 1st to** | Sept. 31 | 40·985 |
| **Total Rainfall from Jan, 1st to** | Oct, 12 .. | 41·142 |

**Barometers corrected to 32° Fah.** and Mean Sea Level.

0 30·34 R 69 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

*If it is* CALM, *the symbol is used without the arrow.*

sea smooth. heavy very heavy.

14 30·13 F 68

TIME BALL Drops at 1 p.m, S M T or 2h.55m,9·19s,a.m. Greenwich Mn. Time

MAG, VAR. 9°35′30″ E

Barometers risen about 0·05 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | o | 83 | 55 | 0 |
| Tent'rfield | g | 78 | 51 | 0 |
| Clarence . | b | 72 | 60 | 0 |
| Moree .. | g | . | — | 0 |
| Grafton .. | b | 86 | 44 | 0 |
| Gl n Inn's | g | 81 | 41 | 0 |
| Inverell.. | b | 76 | 41 | 0 |
| Bourke . | b | 81 | 58 | 0 |
| Narrabri . | b | 79 | 40 | 0 |
| Armidale. | b | 65 | - | 0 |
| Bendem'r | b | 64 | 34 | 0 |
| Gunned'h | b | 79 | 53 | 0 |
| C'n'mble | b | 74 | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | o | 63 | 35 | 0 |
| Tamw'rth | b | 73 | 35 | 0 |
| Coonab'n. | b | 76 | 38 | 0 |
| P. M'cqrie | b | 68 | 48 | 0 |
| W'leannia | b | — | — | 0 |
| Murr'ndi. | l | 66 | 45 | 0 |
| Taree.. | b | 70 | 45 | 0 |
| Cassilis | b | 73 | 64 | 0 |
| Muss'br'k | b | 74 | 44 | 0 |
| Dubbo .. | b | 71 | 53 | 0 |
| Menindie. | o | 71 | 56 | 0 |
| Singleton | b | 69 | 49 | 0 |
| Nels'n's P. | b | 74 | 45 | 0·04 |
| 18 65 Mudg | b | 79 | 43 | 0 |
| Maitland. | b | 69 | 46 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | l | 66 | 49 | 0 |
| Orange .. | o | 60 | 39 | 0 |
| Bathurst | b | 66 | 49 | 0 |
| Forbes .. | b | 76 | 42 | 0 |
| M.Vict'ria | b | 62 | 43 | 0 |
| Carcoar . | b | 70 | 41 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 72 | 50 | 0 |
| Picton .. | b | 63 | 38 | 0 |
| Sydney .. | b | 63 | 48 | 0 |
| Wentw'th | c | 74 | 49 | 0 |
| Young . | b | 80 | 42 | 0 |
| Woll'g'ng | b | 63 | 45 | 0 |
| Taralga.. | b | 80 | - | 0 |
| Hay .... | b | 71 | 40 | 0 |
| M'ss V'l | b | 63 | 42 | 0 |
| Euston | b | 79 | 44 | 0 |
| G'lburn | b | 70 | 34 | 0 |
| Wagga. | b | 52 | 37 | 0 |
| C Geo'. | b | 62 | 46 | 0 |

| Stations. | WT | M,x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 62 | 40 | 0 |
| Deniliquin. | b | 70 | 40 | 0 |
| Moruya .... | b | 65 | 43 | 0 |
| Kiandra.. | n | 71 | 22 | 0 |
| Albury .... | b | 69 | 43 | 0 |
| Bodalla.. | b | 69 | 36 | 0 |
| Cooma .... | n | 63 | 29 | 0 |
| Eden ..... | b | 66 | 47 | 0 |

# WEATHER MAP.

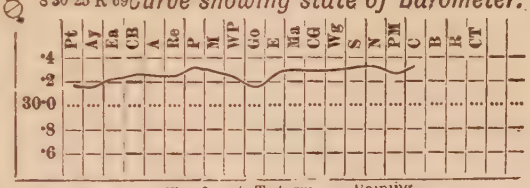
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 13 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .. .... .... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 13 .. 41·142
Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·25 R 69 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | c | 85 | 55 | 0 |
| Tent'rfield | g | 75 | 54 | 0·45 |
| Clarence . | b | 72 | 63 | 0·10 |
| Moree . | g | . | — | — |
| Grafton . | g | 88 | 43 | 0 |
| Gl n Inn's | r | 71 | 26 | 0·21 |
| Inverell. | c | 75 | 43 | 0·11 |
| Bourke | b | 82 | 58 | 0 |
| Narrabri . | b | 79 | 50 | 0 |
| Armidale. | g | 68 | — | 0·36 |
| Bendem'r | p | 55 | 30 | 0·06 |
| Gunned'h | . | . | — | — |
| C'n'mble | b | 82 | 64 | 0·03 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 63 | 49 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | p | 75 | 53 | 0·08 |
| P. M'cqrie | r | 70 | 55 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | r | 68 | 60 | 0·15 |
| Taree.. | c | 72 | 53 | 0 |
| Cassilis | p | 70 | 55 | 0 |
| Muss'br'k | r | 78 | 53 | 0·09 |
| Dubbo . | g | 75 | 54 | 0·11 |
| Menindie. | b | 72 | 55 | 0 |
| Singleton | r | 71 | 55 | 0 |
| Nels'n's B' | b | 76 | 56 | 0 |
| 8 64 | | | | |
| Mudg | r | 80 | 49 | 0·35 |
| Maitland. | p | 70 | 49 | 0 |
| Hill End. | r | — | — | 0·37 |
| N'wcastle | p | 68 | 50 | 0 |
| Orange .. | r | 63 | 48 | 0·32 |
| Bathurst | p | 72 | 52 | 0·14 |
| Forbes .. | r | 81 | 54 | 0·12 |
| M. Vict'ria | g | 65 | 45 | 0 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 77 | 54 | 0 |
| Picton .. | g | 70 | 54 | 0·01 |
| Sydney . | g | 66 | 58 | 0 |
| Wentw'th | b | 73 | — | 0 |
| Young . | b | 84 | 52 | 0 |
| Woll'g'ng | c | 73 | 53 | 0 |
| Taralga.. | g | 80 | — | 0 |
| Hay .... | b | 78 | 43 | 0 |

| Stations. | WT | M,X | M,n | R'fall |
|---|---|---|---|---|
| Queanbe'an | g | 65 | 52 | 0 |
| Deniliquin. | b | 79 | 44 | 0 |
| Moruya .... | g | 65 | 52 | 0 |
| Kiandra.. | b | 70 | 21 | 0 |
| Albury ... | b | 77 | 42 | 0·05 |
| Bodalla.. | r | 70 | 50 | 0 |
| Cooma .... | c | 58 | 46 | 0 |
| Eden .... | b | 64 | 57 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 67 | 48 | 0·02 |
| Euston | b | 79 | 47 | 0 |
| G'lburn | | 74 | 49 | 0 |
| Wagga.. | | 76 | 44 | 0 |
| C Geo' | b | 68 | 55 | 0 |

TIME BALL
Drops at 1 p.m. S.M.T. or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time.
MAG. VAR. 9°35′30″ E

0 30·09 F 75
28 30·30 F 59
14 30·26 F 62
0 30·01 S 62

Barometers risen about 0·01 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

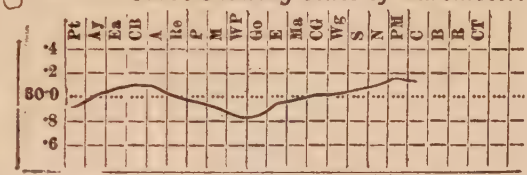
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 15 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 60·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 15 .. 41·212
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·32 R 70 *Curve showing state of Barometer.*

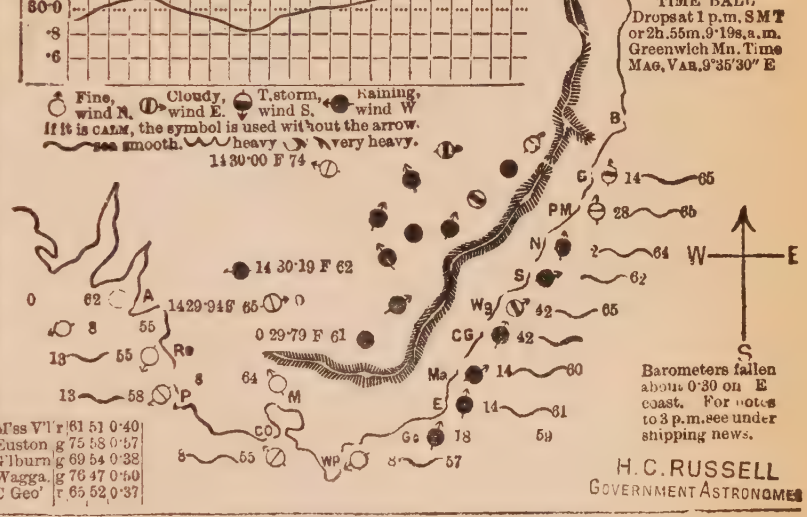



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
Sea smooth. heavy very heavy.

| STATIONS. | wt | M'x | Vn | R'in |
|---|---|---|---|---|
| Casino . | g | 79 | 57 | 0 |
| Tent'rfield | r | 61 | 55 | 0 |
| Clarence . | g | 72 | 63 | 0 |
| Moree .. | g | — | — | 0·26 |
| Grafton .. | c | 76 | 44 | 0 |
| Gl'n Inn's | g | 51 | 34 | 0·65 |
| Inverell. | p | 76 | 40 | 0·50 |
| Bourke | g | 77 | 65 | 0·78 |
| Narrabri . | r | 75 | 43 | 0·30 |
| Armidale. | g | 60 | — | 1·80 |
| Bendem'r | g | 56 | 25 | 0·61 |
| Gunned'h | g | 68 | 59 | 1·00 |
| C'n'mble | r | 71 | 62 | 1·11 |
| Kempsey . | | — | — | — |
| Walcha.. | p | 60 | 47 | 0·36 |
| Tamw'rth | g | 70 | — | 0·13 |
| Coonab'n. | r | 64 | 55 | 1·10 |
| P. M'cqrie | g | 37 | 61 | 0 |
| W'lcannia | o | — | — | 0·50 |
| Murr'ndi . | r | 63 | 42 | 0·45 |
| Taree.. | r | 67 | 61 | 0·45 |
| Cassilis | p | 55 | 42 | 0·45 |
| Muss'br'k | g | 75 | 58 | 0·19 |
| Dubbo . | r | 71 | 56 | 0·53 |
| Menindie. | c | 69 | 66 | 0·32 |
| Singleton | r | 72 | 54 | 0·37 |
| Nels'n's R' | r | 68 | 55 | 0·10 |
| A. 18 69 Mudg | r | 72 | 49 | 0·65 |
| Maitland. | g | 69 | 56 | 0·20 |
| Hill End. | r | — | — | 0·63 |
| N'wcastle | p | 66 | 60 | 0·10 |
| Orange .. | r | 65 | 53 | 0·85 |
| Bathurst | r | 67 | 51 | 0·32 |
| Forbes .. | r | 68 | 50 | 0·61 |
| M. Vict'ria | p | 59 | 45 | 0·20 |
| Carcoar . | r | 68 | 45 | 0·35 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 75 | 61 | 1·34 |
| Picton .. | d | 64 | 59 | 0·26 |
| Sydney .. | r | 65 | 62 | 0·07 |
| Wentw'th | p | 72 | 58 | 0·73 |
| Young . | r | 79 | 56 | 1·20 |
| Woll g'ng | g | 55 | 53 | 0·20 |
| Taralga.. | c | 74 | — | 0·43 |
| Hay .... | b | 85 | 64 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l'r | r | 61 | 51 | 0·40 |
| Euston | g | 75 | 58 | 0·57 |
| G'lburn | g | 69 | 54 | 0·38 |
| Wagga. | g | 76 | 47 | 0·60 |
| C Geo' | r | 65 | 52 | 0·37 |

| Stations. | WT | M,x | Vn | R'in |
|---|---|---|---|---|
| Queanbe'an | r | 66 | 48 | 0·80 |
| Deniliquin. | g | 85 | 54 | 0·21 |
| Moruya .... | p | 68 | 58 | 0·84 |
| Kiandra.. | r | 65 | 40 | 0·38 |
| Albury ... | r | 79 | 60 | 0·22 |
| Bodalla.. | g | 73 | 49 | 0·09 |
| Cooma .... | r | 72 | 51 | 0·20 |
| Eden .... | r | 68 | 58 | 0·21 |




TIME BALL, Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·30 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 16 1883.

Sydney Observatory.

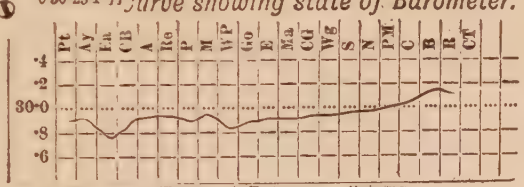
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 16 .. 41·349
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M,x | m | R'in |
|---|---|---|---|---|
| Casino .. | b | 79 | 57 | 0 |
| Tent'rfield | r | 61 | 55 | 0·50 |
| Clarence . | g | 72 | 63 | 0·67 |
| Moree .. | g | | — | 0·10 |
| Grafton . | b | 76 | 44 | 0·58 |
| Gl n Inn's | g | 51 | 34 | 0·90 |
| Inverell. | c | 76 | 4 | 0·56 |
| Bourke | b | 77 | 65 | 1·49 |
| Narrabri. | g | 75 | 43 | 0·40 |
| Armidale. | g | 60 | — | 0·15 |
| Bendem'r | g | 56 | 25 | 0 |
| Gunned'h | g | 68 | 59 | 0·54 |
| C'n'mble | g | 71 | 62 | 0·45 |
| Kempsey . | | — | — | — |
| Walcha.. | p | 60 | 47 | 0·20 |
| Tamw'rth | g | 70 | — | 0·45 |
| Coonab'n. | b | 64 | 55 | 0·54 |
| P. M'cqrie | b | 27 | 61 | 0·17 |
| W'loomia | o | — | — | 0 |
| Murr'ndi. | g | 60 | 55 | 0·35 |
| Taree.. | b | 73 | 58 | 0·04 |
| Cassilis | g | 55 | | 0·40 |
| Muss'br'k | g | 74 | 53 | 0·08 |
| Dubbo . | b | 69 | 50 | 1·24 |
| Menindie. | c | 75 | 58 | 0 |
| Singleton | b | 69 | 60 | 0·18 |
| Nels'n's P. | b | 80 | 56 | 0·05 |
| 34 36 Mudg | c | 66 | 48 | 1·42 |
| Maitland. | b | 73 | 58 | 0 |
| Hill End. | p | — | — | 1·10 |
| N'wcastle | b | 74 | 53 | 0·02 |
| Orange .. | b | 60 | 50 | 0·75 |
| Bathurst | b | 59 | 51 | 0·45 |
| Forbes .. | b | 63 | 57 | 0·28 |
| M. Vict'ria | b | 58 | 48 | 0·12 |
| Carcoar . | c | 62 | 50 | 0·60 |
| Cond'b'lin | . | — | — | — |
| Marsdens | g | 70 | 60 | 0·03 |
| Picton .. | c | 68 | 57 | 0 16 |
| Sydney . | c | 63 | 61 | 0·24 |
| Wentw'th | c | 78 | 49 | 0 |
| Young . | g | 70 | 50 | 0·14 |
| Woll'g'ng | b | 72 | 59 | 0·0 |
| Taralga.. | b | 64 | — | 0 |
| Hay .... | b | 70 | 53 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | 65 | 52 | 0·08 |
| Euston | 76 | 43 | 0 |
| G'lburn | 69 | 53 | 0·04 |
| Wagga. | 73 | 46 | 0·07 |
| C Geo' | 65 | 56 | 0 |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
~ sea smooth. ~ heavy ~ very heavy.

| Stations. | WT | M,x | m | R'in |
|---|---|---|---|---|
| Queanbe'an | o | 65 | 54 | 0·15 |
| Deniliquin. | | 70 | 48 | 0·23 |
| Moruya .... | p | 67 | — | 0·03 |
| Kiandra.. | | 58 | 40 | 1·98 |
| Albury .... | | 72 | 51 | 0·80 |
| Bodalla.. | | 74 | 55 | 0 |
| Cooma .... | g | 71 | 54 | 0 02 |
| Eden .... | | 66 | 56 | 0·26 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

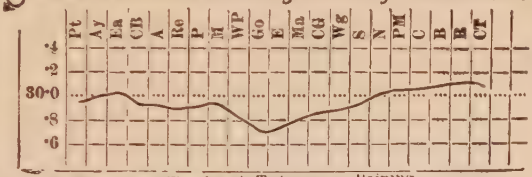
From Telegrams for 9 A.M. & 3 P.M. OCT 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 17 .. 41·349
Barometers corrected to 32° Fah. and Mean Sea Level.

23 30·12 F 85 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

28 30·00 F 79

28 29·05 F 69

28 29·84F 62

0 29·74 F 65

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·15 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 88 | 52 | 0 |
| Tent'rfield | b | 71 | 43 | 0 |
| Clarence .. | b | 79 | 63 | 0 |
| Moree .. | b | — | — | 0 |
| Grafton .. | b | 87 | 44 | 0 |
| Gl n Inn's | b | 71 | 42 | 0 |
| Inverell. | c | 71 | 51 | 0 |
| Bourke .. | b | 86 | 65 | 0 |
| Narrabri. | l | 78 | 46 | 0 |
| Armidale. | b | 68 | — | 0 |
| Bendem'r | b | 65 | 36 | 0·48 |
| Gunned'h | g | 76 | 56 | 0 |
| C'n'mble | b | 75 | 55 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | b | 65 | 39 | 0·10 |
| Tamw'rth | b | — | — | — |
| Coonab'n. | b | 76 | 44 | 0 |
| P. M'cqrie | b | 75 | 56 | 0 |
| W'lcannia | c | — | — | 0 |
| Murr'ndi. | b | 60 | 55 | 0 |
| Taree.. | b | 81 | 54 | 0 |
| Cassilis | n | 70 | 52 | 0 |
| Muss'br'k | n | 81 | 55 | 0 |
| Dubbo .. | b | 72 | 58 | 0 |
| Menindie. | g | 84 | 64 | 0 |
| Singleton | b | 76 | 59 | 0 |
| Nels'n's R | b | 81 | 54 | 0 |
| 13 63 Mudg | b | 78 | 44 | 0 |
| Maitland. | b | 78 | 59 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 79 | 61 | 0 |
| Orange .. | b | 70 | 54 | 0 |
| Bathurst | b | 73 | 41 | 0 |
| Forbes .. | b | 80 | 59 | 0 |
| M. Vict'ria | b | 67 | 52 | 0 |
| Carcoar . | l | 72 | 42 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 71 | 60 | 0 |
| Picton .. | c | 77 | 50 | 0 |
| Sydney .. | b | 74 | 62 | 0 |
| Wentw'th | g | 89 | 73 | 0 |
| Young .. | b | 79 | 53 | 0 |
| Woll'g'ng | g | 89 | 55 | 0 |
| Taralga.. | b | 70 | — | 0 |
| Hay .. .. | c | 83 | 58 | 0 |
| M'ss V'l | b | 71 | 55 | 0 |
| Euston | c | 87 | 62 | 0 |
| G'lburn | b | 74 | 55 | 0 |
| Wagga. | g | 72 | 57 | 0 |
| C Geo' | b | 68 | 55 | 0 |

| Stations. | WT | M,X | M,N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 70 | 49 | 0 |
| Deniliquin. | c | 80 | 60 | 0 |
| Moruya .. .. | g | 71 | 64 | 0 |
| Kiandra.. | b | 71 | 40 | 0 |
| Albury .. .. | g | 74 | 56 | 0 |
| Bodalla.. | b | — | 47 | 0 |
| Cooma .. .. | b | 75 | 49 | 0 |
| Eden .. .. .. | b | 63 | 53 | 0·02 |

# WEATHER MAP.

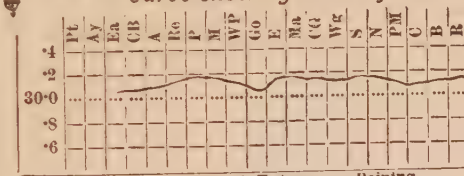
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 18 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 18 .. 41·478
Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·25 R 79 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 92 | 64 | 0 |
| Tent'rfield | b | 81 | 51 | 0 |
| Clarence . | b | 79 | 63 | 0 |
| Moree .. | b | — | — | 0 |
| Grafton .. | b | 91 | 47 | 0 |
| Gl n Inn's | b | 75 | 52 | 0 |
| Inverell. | e | 75 | 53 | 0 |
| Bourke | b | 95 | 60 | 0 |
| Narrabri . | l | 84 | 42 | 0 |
| Armidale. | . | — | — | — |
| Bendem'r | b | 70 | 38 | 0 |
| Gunned'h | b | 84 | 58 | 0 |
| C'n'mble | b | 84 | 56 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 72 | 40 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 80 | 47 | 0 |
| P. M'cqrie | b | 74 | 61 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 75 | 57 | 0 |
| Taree.. | g | 85 | 54 | 0 |
| Cassilis | n | 75 | 58 | 0 |
| Muss'br'k | g | 87 | 57 | 0 |
| Dubbo . | b | 78 | 56 | 0 |
| Menindie. | b | 89 | 59 | 0 |
| Singleton | g | 71 | 62 | 0 |
| Nels'n's P. | c | 83 | 62 | 0 |
| 23 59 | | | | |
| Mudg | h | 80 | 49 | 0 |
| Maitland. | g | 85 | 62 | 0 |
| Hill End. | b | — | — | 0·06 |
| N'wcastle | g | 84 | 59 | 0 |
| Orange .. | b | 72 | 53 | 0 |
| Bathurst | b | 76 | 54 | 0 |
| Forbes .. | b | 85 | 59 | 0 |
| M. Vict'ria | b | 72 | 49 | 0·06 |
| Carcoar . | l | 73 | 61 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | h | 80 | 63 | 0 |
| Picton .. | g | 81 | 55 | 0·17 |
| Sydney . | g | 85 | 58 | 0·03 |
| Wentw'th | b | 77 | 50 | 0·01 |
| Young . | b | 83 | 56 | 0 |
| Woll'g'ng | g | 89 | 52 | 0·10 |
| Taralga.. | d | 77 | — | 0·25 |
| Hay .... | b | 87 | 48 | 0 |

| Stations. | WT | M,X | MIN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 75 | 49 | 0·48 |
| Deniliquin. | b | 76 | 43 | 0 |
| Moruya .... | g | 85 | 48 | 0·38 |
| Kiandra... | r | 62 | 31 | 0·54 |
| Albury ... | b | 75 | 51 | 0·02 |
| Bodalla.. | g | — | 46 | 0·42 |
| Cooma .... | g | 75 | 39 | 0·57 |
| Eden ..... | b | 69 | 51 | 0·15 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l'r | r | 75 | 48 | 0·18 |
| Euston | b | 80 | 45 | 0 |
| G'lburn | g | 80 | 47 | 0·06 |
| Wagga. | b | 83 | 49 | 0·03 |
| C Geo' | r | 75 | 56 | 0·57 |

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·30 on S.E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** OCT 19 **1888.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

| | | |
|---|---|---|
| **Average Annual Rainfall for 24 years** | | 50·640. |
| **Average for 25 years from Jan. 1st to** | Sept. 31 | 40·985 |
| **Total Rainfall from Jan. 1st to** | Oct. 19 .. | 41·658 |

**Barometers corrected to 32° Fah.** and Mean Sea Level.

| STATIONS. | W' | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino .. | g | 97 | 59 | 0 |
| Tent'rfield | g | 84 | 55 | 0 |
| Clarence . | g | 82 | 64 | 0·01 |
| Moree .. | b | . | — | 0 |
| Grafton .. | g | 95 | 46 | 0·19 |
| Gl'n Inn's | b | 84 | 52 | 0 |
| Inverell.. | o | 78 | 56 | 0 |
| Bourke .. | b | 97 | 65 | ● |
| Narrabri . | l | 93 | 60 | 0 |
| Armidale. | b | 74 | -- | 0 |
| Berdem'r | b | 68 | 38 | 0·23 |
| Gunned'h | b | 87 | 81 | 0 |
| C'n'mble | b | 88 | 71 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 75 | 51 | 0·45 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 82 | 52 | 0 |
| P. M'cqrie | p | 73 | 60 | 0·22 |
| W'lcannia | g | — | — | 0 |
| Murr'ndi. | b | 73 | 55 | 0 |
| Taree.. | r | 72 | 66 | 0·19 |
| Cassilis | g | 74 | 58 | 0 |
| Muss'br'k | g | 77 | 55 | 0 |
| Dubbo .. | b | 83 | 60 | 0 |
| Menindie. | g | 82 | 63 | 0 |
| Singleton | b | 74 | 60 | 0 |
| Nels'n's B | r | 72 | 59 | 0·20 |
| Mudg | g | 84 | 52 | 0 |
| Maitland. | p | 72 | 59 | 0·12 |
| Hill End. | g | — | — | 0 |
| N'wcastle | g | 68 | 59 | 0·12 |
| Orange .. | b | 74 | 49 | 0 |
| Bathurst | g | 70 | 55 | 0 |
| Forbes .. | b | 89 | 58 | 0 |
| M. Vict'ria | r | 59 | 45 | 0·12 |
| Carcoar . | g | 75 | 47 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 82 | 60 | 0 |
| Picton .. | d | 60 | 54 | 0 |
| Sydney .. | g | 61 | 57 | 0·18 |
| Wentw'th | b | 78 | 58 | 0 |
| Young . | b | 89 | 51 | 0 |
| Woll'g'ng | p | 63 | 51 | 0·30 |
| Taralga.. | g | 60 | — | 0·08 |
| Hay .... | g | 80 | 59 | 0 |
| M'ss V'l | d | 53 | 41 | 0·03 |
| Euston | c | 76 | 52 | 0 |
| G'lburn | g | 57 | 47 | 0 |
| Wagga. | b | 76 | 48 | 0 |
| C Geo'. | p | 60 | 60 | 0·36 |

| Stations. | W' | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 57 | 45 | 0 |
| Deniliqu'n. | [illegible] | 75 | 51 | 0 |
| Moruya ... | p | 71 | 64 | 0·1 |
| Kiandra.. | b | 7[illegible] | [illegible] | 0 |
| Albury ... | b | 75 | [illegible] | 0 |
| Bodalla.. | r | — | [illegible] | 0 |
| Cooma ... | g | 65 | 3[illegible] | 0 |
| Eden .... | p | 73 | 55 | [illegible]24 |

TIME BALL

Barometer

H. C. RUSSELL

GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. OCT 20 1887.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | | 56·640. |
| Average for 25 years from Jan. 1st to | Sept. 31 | 40·985 |
| Total Rainfall from Jan. 1st to | Oct. 20 .. | 42·123 |

Barometers corrected to 32° Fah. and Mean Sea Level.

13 30·01 F 92 *Curve showing state of Barometer.*



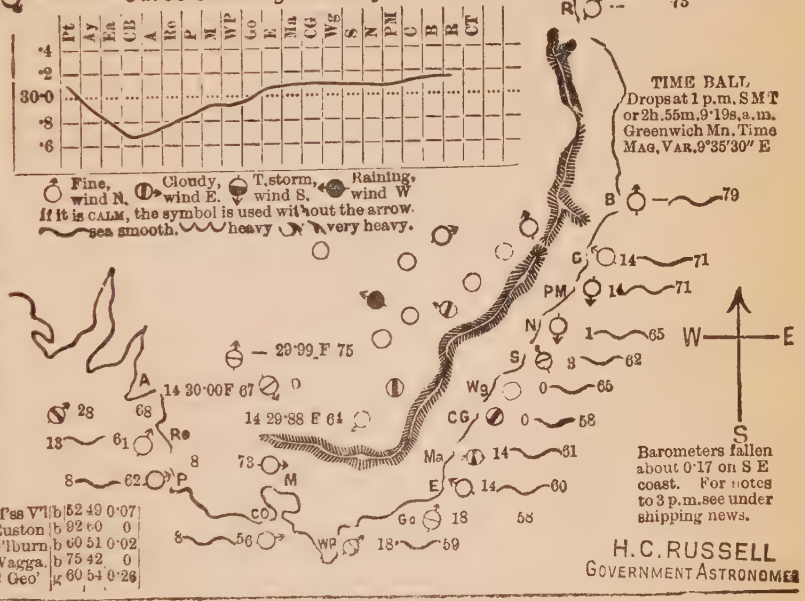

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

Sea smooth, heavy, very heavy.

| STATIONS. | wt | M'x | Mn | R'fn |
|---|---|---|---|---|
| Casino .. | b | 80 | 59 | 0 |
| Tent'rfield | b | 73 | 58 | 0·45 |
| Clarence . | b | 78 | 66 | 0 |
| Moree .. | b | . | — | 0·30 |
| Grafton .. | b | 80 | 44 | 0·16 |
| Gl n Inn's | b | 73 | 54 | 0·10 |
| Inverell. . | o | 80 | 55 | 0·15 |
| Bourke | b | 93 | 67 | 0 |
| Narrabri . | l | 93 | 50 | 0 |
| Armidale. | b | 75 | — | 0·80 |
| Benden'r | b | 72 | 38 | 0·49 |
| Gunned'h | b | 90 | 62 | 0 |
| C'n'mble | b | 93 | 76 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | b | 68 | 46 | 0·43 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 87 | 51 | 0 |
| P. M'cqrie | b | 73 | 61 | 0·46 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 71 | 60 | 0 |
| Taree.. | b | 73 | 63 | 0·15 |
| Cassilis | b | 68 | 58 | 0 |
| Muss'br'k | b | 74 | 49 | 0 |
| Dubbo . | b | 83 | 41 | 0 |
| Menindie. | b | 90 | 66 | 0·50 |
| Singleton | b | 70 | 61 | 0 |
| Nels'n's B' | b | 79 | 59 | 0·18 |
| 34 65 Mudg | b | 78 | 50 | 0 |
| Maitland. | b | 70 | 60 | 0·03 |
| Hill End. | b | — | — | 0·07 |
| N 'wcastle | b | 70 | 57 | 0 10 |
| Orange .. | b | 68 | 49 | 0·29 |
| Bathurst | g | 70 | 50 | 0·23 |
| Forbes .. | p | 91 | 57 | 0·16 |
| M. Vict'ria | b | 61 | 44 | 0·05 |
| Carcoar . | b | 75 | 50 | 0·42 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 83 | 62 | 0·12 |
| Picton .. | d | 60 | 55 | 0·24 |
| Sydney .. | g | 63 | 58 | 0·47 |
| Wentw'th | c | 92 | 63 | 0·12 |
| Young . | h | 84 | 52 | 0 |
| Woll'g'ng | b | 66 | 53 | 0·20 |
| Taralga.. | b | 60 | — | 0·18 |
| Hav .... | b | 87 | 64 | 0 |
| M'ss V'l | b | 52 | 49 | 0·07 |
| Euston | b | 92 | 60 | 0 |
| G'lburn | b | 60 | 51 | 0·02 |
| Wagga. | b | 75 | 42 | 0 |
| C Geo' | g | 60 | 54 | 0·26 |

| Stations. | WT | M.x | Mn | R'fn |
|---|---|---|---|---|
| Queanbe'an | g | 60 | 53 | 0·08 |
| Deniliquin. | g | 81 | 56 | 0·12 |
| Moruya .... | g | 65 | 55 | 0·08 |
| Kiandra.. | b | 65 | 31 | 0·39 |
| Albury .... | b | 78 | 52 | 0 |
| Bodalla.. | b | — | 47 | 0·05 |
| Cooma .... | r | 63 | 47 | 0·25 |
| Eden ..... | b | 61 | 56 | 0 30 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 22 1888.

Sydney Observatory.

Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 22 .. 42·303
and Mean Sea Level.

Barometers corrected to 32° Fah.

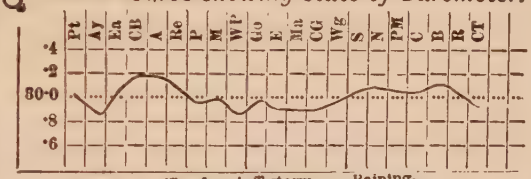
| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 93 | 61 | 0 |
| Tent'rfield | . | — | — | — |
| Clarence . | b | 78 | 65 | 0·24 |
| Moree .. | b | — | — | 0 |
| Grafton .. | b | 94 | 43 | 0·12 |
| Gl n Inn's | b | 80 | 51 | 0·38 |
| Inverell. | o | 80 | 52 | 0·21 |
| Bourke | b | 97 | 57 | 0 |
| Narrabri . | l | 80 | 49 | 0·08 |
| Armidale. | h | 75 | — | 0·26 |
| Bendem'r | b | 66 | 32 | 0·57 |
| Gunned'h | b | 83 | 54 | 0·31 |
| C'n'mble | b | 74 | 55 | 0·35 |
| Kempsey . | . | — | — | — |
| Walcha.. | b | 72 | 49 | 0·74 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 69 | 49 | 0·46 |
| P. M'cqrie | b | 77 | 61 | 0·93 |
| W'lcannia | . | — | — | 0·42 |
| Murr'ndi. | b | 75 | 55 | 0 |
| Taree.. | b | 79 | 60 | 0·22 |
| Cassilis | g | 83 | 54 | 0·35 |
| Muss'br'k | b | 78 | 47 | 0·18 |
| Dubbo . | h | 82 | 54 | 0·66 |
| Menindie. | b | 74 | 57 | 0·34 |
| Singleton | . | — | — | — |
| Nels'n's R' | . | — | — | — |
| 23 77 Mudg | . | — | — | — |
| Maitland. | b | 79 | 58 | 0 |
| Hill End. | h | — | — | 0·70 |
| N 'wcastle | b | 72 | 57 | 0 |
| Orange .. | b | 62 | 44 | 0·73 |
| Bathurst | b | 75 | 42 | 0·43 |
| Forbes .. | b | 77 | 47 | 0·50 |
| M. Vict'ria | b | 60 | 41 | 0·12 |
| Carcoar . | b | 74 | 45 | 0·95 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 83 | 54 | 0·35 |
| Picton .. | b | 67 | 53 | 0·33 |
| Sydney .. | b | 69 | 57 | 0·18 |
| Wentw'th | b | 71 | 51 | 0 |
| Young . | b | 67 | 45 | 0·61 |
| Woll'g'ng | b | 67 | 49 | 0·15 |
| Taralga.. | b | 75 | — | 0·81 |
| Hay .... | b | 94 | 53 | 0·48 |

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 69 | 40 | 0·58 |
| Demiliquin. | b | 86 | 47 | 0·50 |
| Moruya .... | b | 55 | 50 | 0·11 |
| Kiandra... | b | 50 | 29 | 2·27 |
| Albury ... | g | 85 | 44 | 0·81 |
| Bodalla.. | b | — | 44 | 0·23 |
| Cooma .... | b | 77 | 36 | 0·33 |
| Eden .... | b | 63 | 41 | 0·24 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 73 | 47 | 0·43 |
| Euston | b | 93 | 44 | 0 |
| G'lburn | b | 80 | 42 | 0·48 |
| Wagga. | b | 80 | 38 | 0·42 |
| C Geo' | l. | 60 | 54 | 0·62 |

8 30·24 R 78

## Curve showing state of Barometer.




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·15 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 23 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 31 40·985
Total Rainfall from Jan. 1st to Oct. 23 .. 42·303

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | m'x | m | R'fn |
|---|---|---|---|---|
| Casino .. | b | 90 | 59 | 0 |
| Tent'rfield | b | 79 | 64 | 0 |
| Clarence . | b | 78 | 50 | 0 |
| Moree .. | b | . | — | 0 |
| Grafton .. | b | 85 | 53 | 0 |
| Gl'n Inn's | o | 78 | 45 | 0 |
| Inverell.. | b | 80 | 49 | 0 |
| Bourke .. | l | 86 | 58 | 0 |
| Narrabri . | b | 83 | — | 0 |
| Armidale. | b | 67 | — | 0 |
| Bendem'r | b | 64 | 34 | 0 |
| Gunned'h | b | 84 | 53 | 0 |
| C'n'mble | b | 74 | 53 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 66 | 34 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 72 | 40 | 0 |
| P. M'cqrie | b | 72 | 54 | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi . | b | 69 | 50 | 0 |
| Taree.. | b | 77 | 52 | 0 |
| Cassilis | b | 75 | 55 | 0 |
| Muss'br'k | b | 80 | 48 | 0 |
| Dubbo .. | b | 80 | 54 | 0 |
| Menindie. | b | 80 | 58 | 0 |
| Singleton | b | 72 | 53 | 0 |
| Nels'n's B | b | 70 | 52 | 0 |
| 34 61 | | | | |
| Mudg | b | 77 | 42 | 0 |
| Maitland. | b | 77 | 52 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 75 | 54 | 0 |
| Orange .. | b | 61 | 42 | 0 |
| Bathurst | b | 64 | 40 | 0 |
| Forbes .. | b | 78 | 48 | 0 |
| M. Vict'ria | g | 62 | 42 | 0 |
| Carcoar . | b | 73 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 72 | 55 | 0 |
| Picton .. | b | 71 | 47 | 0 |
| Sydney .. | c | 73 | 57 | 0 |
| Wentw'th | b | 79 | 56 | 0 |
| Young . | b | 75 | 44 | 0 |
| Woll'g'ng | b | 76 | 54 | 0 |
| Taralga.. | b | 62 | — | 0 |
| Hay .. .. | b | 75 | 55 | 0 |

| Stations. | wt | m'x | m | R'fn |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 40 | 0 |
| Deniliquin. | b | 74 | 43 | 0 |
| Moruya.. . | b | — | 52 | 0 |
| Kiandra .. | b | 63 | 27 | 0 |
| Albury .. .. | b | 66 | 47 | 0 |
| Bodalla.. | b | — | 44 | 0 |
| Cooma .. .. | b | 77 | 36 | 0 |
| Eden .. .. .. | b | 74 | 02 | 0 |

Curve showing state of Barometer.

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Mss V'l. b 64 44 0
Euston b 78 50 0
G'lburn b 65 38 0
Wagga. b 70 40 0
C Geo'. b 75 50 0

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 24 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average** Annual Rainfall for 24 years ..... 56·640.
**Average** for 25 years from Jan. 1st to Sept. 31 40·985
**Total** Rainfall from Jan. 1st to Oct. 24 .. 42·303
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| STATIONS. | WT | M'X | MD | R'in |
|---|---|---|---|---|
| Casino .. | b | 89 | 51 | 0 |
| Tent'rfield | b | 80 | 51 | 0 |
| Clarence . | b | 75 | 63 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | c | 71 | 51 | 0 |
| Gl n Inn's | o | 89 | 44 | 0 |
| Inverell. | b | 71 | 51 | 0 |
| Bourke | l | 82 | 61 | 0 |
| Narrabri . | b | 86 | 55 | 0 |
| Armidale. | b | 71 | — | 0 |
| Bendem'r | b | 68 | 36 | 0 |
| Gunned'h | b | 84 | 53 | 0 |
| C'n'mble | b | 80 | 36 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 73 | 47 | 0 |
| Tamw'rth. | b | 77 | — | 0 |
| Coonab'n. | b | 79 | 44 | 0 |
| P. M'cqrie | b | 72 | 57 | — |
| W'lcannia | . | — | — | 0 |
| Murr'ndi . | b | 70 | 50 | 0 |
| Taree.. | b | 73 | 53 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 79 | 50 | 0 |
| Dubbo . | b | 81 | 55 | 0 |
| Menindie. | c | 85 | 67 | 0 |
| Singleton | b | 75 | 53 | 0 |
| Nels'n's B. | b | 71 | 50 | 0 |
| 8 60 Mudg | b | 82 | 45 | 0 |
| Maitland. | b | 74 | 60 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 69 | 56 | 0 |
| Orange .. | b | 67 | 45 | 0 |
| Bathurst | b | 73 | 44 | 0 |
| Forbes . | b | 82 | 52 | 0 |
| M. Vict'ria | b | 68 | 45 | 0 |
| Carcoar . | b | 74 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 75 | 60 | 0 |
| Picton .. | b | 73 | 46 | 0 |
| Sydney .. | b | 70 | 55 | 0 |
| Wentw'th | c | 89 | 61 | 0 |
| Young . | o | 83 | 47 | 0 |
| Woll'g'ng | b | 75 | 53 | 0 |
| Taralga.. | b | 78 | — | 0 |
| Hay .... | b | 86 | 51 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 69 | 48 | 0 |
| Euston | g | 90 | 64 | 0 |
| G'lburn | b | 73 | 42 | 0 |
| Wagga. | b | 75 | 41 | 0 |
| C Geo' | l | 69 | 54 | 0 |

| Stations. | WT | M,X | MD | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 68 | 49 | 0 |
| Deniliquin. | b | 83 | 58 | 0 |
| Moruya .. .. | b | — | 53 | 0 |
| Kiandra.. | b | 59 | 29 | 0 |
| Albury ... | b | 77 | 52 | 0 |
| Bodalla.. | b | — | 46 | 0 |
| Cooma .... | c | 74 | 43 | 0 |
| Eden ..... | b | 70 | 55 | 0 |

1330·12 R 83 *urve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

Barometers fallen about 0·35 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 25 1883.

Sydney Observatory.

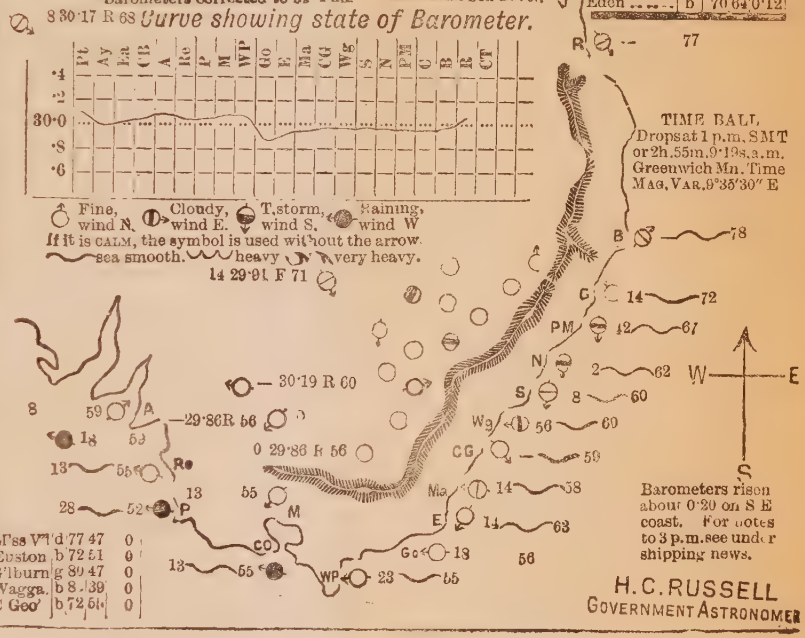
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .. .... .... 50·640.
Average for 25 years from Jan. 1st to Sept. 30 40·985
Total Rainfall from Jan. 1st to Oct. 25 .. 42·320
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 89 | 59 | 0 |
| Tent'rfield | b | 86 | 46 | 0 |
| Clarence . | b | 79 | 64 | 0 |
| Moree .. | . | | — | — |
| Grafton .. | o | 89 | 44 | 0 |
| Gl'n Inn's | g | 83 | 49 | 0 |
| Inverell. | b | 76 | 43 | 0 |
| Bourke | g | 69 | 69 | 0 |
| Narrabri . | b | 88 | 60 | 0 |
| Armidale. | b | 74 | -- | 0 |
| Bendem'r | g | 65 | 32 | 0 |
| Gunned'h | g | 86 | 63 | 0 |
| C'n'mble | b | 87 | 65 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 76 | 45 | 0 |
| Tamw'rth | b | 81 | — | 0 |
| Coonab'n. | b | 84 | 53 | 0 |
| P. M'cqrie | g | 77 | 61 | 0 |
| W'leannia | . | — | — | — |
| Murr'hill. | b | 77 | 60 | 0 |
| Tarcoo | c | 78 | 58 | 0 |
| Cassilis | g | 78 | 60 | 0 |
| Muss'br'k | g | 90 | 60 | 0 |
| Dubbo . | [illegible] | 81 | 62 | 0 |
| Menindie. | b | 85 | 54 | 0 |
| Singleton | g | 82 | 62 | 0 |
| Nels'n's B' | g | 74 | 60 | 0 |
| ♂ 8 59 Mudg | g | 83 | 54 | 0 |
| Maitland. | g | 82 | 61 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | g | 72 | 58 | 0 |
| Orange .. | b | 72 | 54 | 0 |
| Bathurst | g | 80 | 55 | 0 |
| Forbes .. | b | 90 | 54 | 0 |
| M. [illegible]ria | b | 76 | 50 | 0 |
| Carcoa . | g | 72 | 56 | 0·02 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 84 | 59 | 0 |
| Picton .. | g | 79 | 54 | 0 |
| Sydney . | g | 72 | 59 | 0·02 |
| Wentw'th | b | 70 | 45 | 0·02 |
| Young . | b | 83 | 47 | 0 |
| Wolf'g'ng | c | 74 | 54 | 0 |
| Taralga.. | g | 72 | — | 0 |
| Hay .. | b | 86 | 32 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l'd | 77 | 47 | 0 |
| Euston | b | 72 | 51 | 0 |
| G'lburn | g | 80 | 47 | 0 |
| Wagga. | b | 8[illegible] | 39 | 0 |
| C Geo' | b | 72 | 51 | 0 |

| Stations. | WT | M'x | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | n | 74 | 53 | 0·05 |
| Deniliquin. | b | 85 | 40 | 0 |
| Moruya .. .. | g | 86 | 62 | 0·05 |
| Kiandra.. | b | 69 | 33 | 0 |
| Albury ... | b | 83 | 41 | 0 |
| Bodalla.. | g | — | 49 | 0 |
| Cooma .... | c | 75 | 40 | 0 |
| Eden .. .. | b | 70 | 64 | 0·12 |



# WEATHER MAP.

From TELEGRAMS for [illegible] a.m. & 3 p.m. OCT [illegible]

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

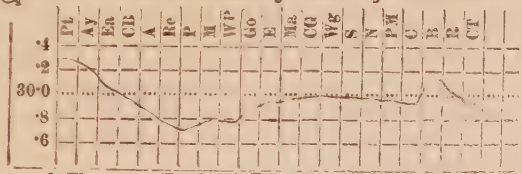
Average Annual Rainfall for 24 years ..... [illegible]
Average for 25 years from Jan. 1st to Sept. 30 [illegible]
Total Rainfall from Jan. 1st to Oct. 28 .. [illegible]

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'V | V'C | R'in |
|---|---|---|---|---|
| Casino .. | g | 93 | 61 | 0·22 |
| Tent'rfield | b | 88 | [illegible] | [illegible] |
| Clarence .. | g | 79 | 64 | 0·50 |
| [illegible] | . | | — | — |
| Grafton .. | g | 97 | 48 | 0·19 |
| [illegible] | b | 88 | 56 | 0 |
| Inverell. | b | 80 | 60 | 0 |
| Bourke | b | 91 | 62 | 0 |
| Narrabri. | b | 88 | 71 | 0 |
| Armidale. | g | 86 | — | 0 |
| Pendem'r | g | 66 | 32 | 0·07 |
| Gunned'h | b | 91 | 62 | 0 |
| C'n'mble | b | 88 | 71 | 0 |
| Pempsey | . | — | — | — |
| Walcha.. | g | 76 | 53 | 0·13 |
| Tamw'rth | b | 86 | — | 0·04 |
| Coonab'n. | b | 82 | 50 | 0 |
| P. M'cqria | c | 73 | 60 | 0·16 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | g | 70 | 55 | 0 |
| Taree.. | r | 73 | 60 | 0 |
| Cassilis | g | 75 | 55 | 0 |
| Mass'br'k | b | 75 | 56 | 0 |
| Dubbo .. | b | 80 | 59 | 0 |
| Menindie. | b | 75 | 55 | 0 |
| Singleton | g | 70 | 59 | 0 |
| Nels'n's B' | g | 72 | 58 | 0 |
| 28 60 Mudg | g | 82 | 52 | 0 |
| Maitland. | g | 69 | 58 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 65 | 59 | 0·05 |
| Orange .. | b | 70 | 49 | 0 |
| Bathurst | g | 78 | 42 | 0 |
| Forbes .. | b | 78 | 46 | 0 |
| M. Vict'ria | b | 65 | 44 | 0·09 |
| Carcoar . | b | 69 | 49 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 75 | 53 | 0 |
| Picton .. | g | 61 | 54 | 0 |
| Sydney .. | g | 64 | 53 | 0 |
| Wentw'th | b | 76 | 49 | 0 |
| Young .. | b | 84 | 47 | 0 |
| Wolf'g'ng | c | 67 | 51 | 0 |
| Taralga.. | g | 70 | [illegible] | 0 |
| Hay .. | b | 75 | [illegible] | 0 |

| STATIONS. | wt | M'V | V'C | R'in |
|---|---|---|---|---|
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| Demilquin. | b | [illegible] | [illegible] | 0 |
| Moruya .. | g | 73 | [illegible] | 0 |
| [illegible] | b | [illegible] | [illegible] | [illegible] |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| Eden .. | b | [illegible] | [illegible] | 0 |

8 30·05 R 78 *Curve showing state of Barometer.*

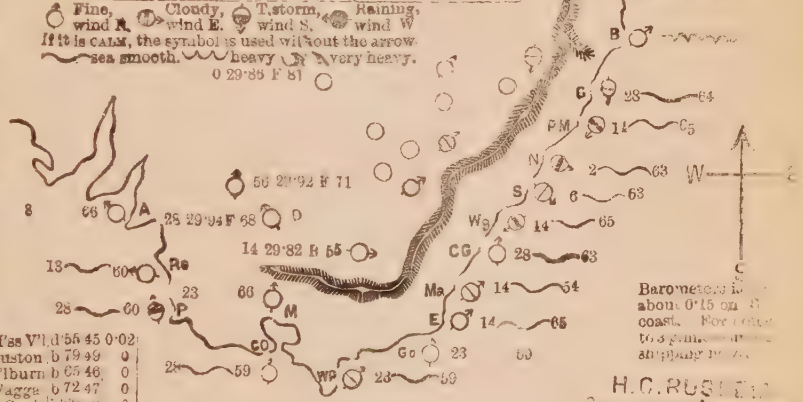



Fine, wind R. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 29·86 F 81




| | | | |
|---|---|---|---|
| M'ss V'l | d | 55 45 | 0·02 |
| Euston | b | 79 49 | 0 |
| G'lburn | b | 65 46 | 0 |
| Wagga | b | 72 47 | 0 |
| C Geo' | b | 69 49 | 0 |

TIME BALL [illegible]

Barometers [illegible] about 0·15 on [illegible] coast. For [illegible] to 3 [illegible] shipping [illegible]

H. C. RUSSELL
GOVERNMENT [illegible]

# WEATHER MAP.

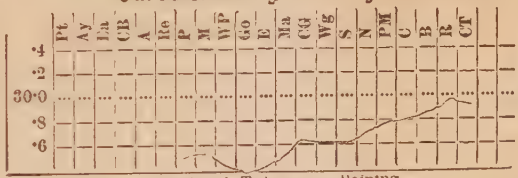
From TELEGRAMS for 9 A.M. & 3 P.M. OCT 27 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Sept. 30 40·985
Total Rainfall from Jan. 1st to Oct. 27 .. 42·345
Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
Sea smooth. heavy very heavy.

14 29·71 F 75

| STATIONS. | wt | M'x | m'n | R'fn |
|---|---|---|---|---|
| Casino .. | r | 85 | 61 | 0·28 |
| Tent'rfield | d | 86 | 64 | 0 |
| Clarence . | g | 79 | 65 | 1·54 |
| Moree .. | g | — | — | 0·22 |
| Grafton | c | 80 | 46 | 1·42 |
| Glen Inn's | r | 75 | 57 | 0·12 |
| Inverell. | p | 81 | 42 | 0·21 |
| Bourke | g | 95 | 66 | 0·07 |
| Narrabri. | g | 91 | 57 | 0·18 |
| Armidale. | r | 74 | 35 | 0 |
| Bendem'r | p | 59 | 29 | 0·43 |
| Gunned'h | c | 80 | 62 | 0·10 |
| C'n'mble | b | 88 | 65 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 74 | 50 | 0·27 |
| Tamw'rth | b | 86 | — | 0·42 |
| Coonab'n. | b | 83 | 58 | 0 |
| P. M'cqrie | r | 71 | 63 | 0·06 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 75 | 59 | 0·14 |
| Taree.. | r | 73 | 60 | 0·14 |
| Cassilis | g | 78 | 58 | 0 |
| Muss'br'k | b | 80 | 52 | 0 |
| Dubbo . | c | 86 | 63 | 0·12 |
| Menindie. | b | 80 | 57 | 0 |
| Singleton | b | 72 | 32 | 0 |
| Nels'n's B | r | 77 | 60 | 0·07 |
| Mudg | g | 82 | 53 | 0·15 |
| Maitland. | b | 71 | 60 | 0 |
| Hill End. | g | — | — | 0·07 |
| N'wcastle | g | 67 | 59 | 0·01 |
| Orange .. | g | 7[illegible] | 55 | 0 |
| Bathurst | g | 77 | 55 | 0·07 |
| Forbes .. | b | 87 | 58 | 0 |
| M. Vict'ria | b | 76 | 59 | 0·08 |
| Carcoar . | g | 79 | 59 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 78 | 61 | 0 |
| Picton .. | g | 68 | 57 | 0 |
| Sydney . | g | 65 | 61 | 0·03 |
| Wentw'th | b | 88 | 49 | 0 |
| Young . | g | 8[illegible] | 57 | 0 |
| Woll'g'ng | p | 70 | 58 | 0·03 |
| Tarulga.. | b | 85 | — | 0·12 |
| Hay .... | b | 84 | 30 | 0 |

| Stations. | WT | M,X | m,n | R'fn |
|---|---|---|---|---|
| Queanbe'an | r | 58 | 55 | 0·26 |
| Deniliquin. | b | 82 | 51 | 0·04 |
| Moruya .... | g | 78 | 58 | 0 |
| Kiandra.. | r | 65 | 35 | 0·28 |
| Albury .... | g | 78 | 54 | 0 |
| Bodalla.. | g | — | 49 | 0 |
| Cooma .... | c | 72 | 42 | 0·06 |
| Eden ..... | g | 65 | 57 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 67 | 52 | 0 |
| Euston | b | 88 | 44 | 0 |
| G'lburn | b | 79 | 53 | 0 |
| Wagga. | g | 77 | 35 | 0·03 |
| C Geo' | c | 65 | 46 | 0 |

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·40 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** OCT 29 **1888.**

Sydney Observatory.

***Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.***

| | | |
|---|---|---|
| **Average** Annual Rainfall for 24 years | .. .... .... | 50·640. |
| **Average** for 25 years from Jan. **1st to** | Sept. 30 | 40·985 |
| **Total** Rainfall from Jan. 1st **to** | Oct. 29 .. | 42·345 |

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino . | b | 85 | 44 | 0 |
| Tent'rfield | b | 74 | 43 | 0·84 |
| Clarence . | b | 78 | 57 | 0·12 |
| Moree . | b | | - | 0·96 |
| Grafton . | b | 79 | 45 | 0 |
| Gl n Inn's | b | 67 | 39 | 0·95 |
| Inverell. | b | 80 | 41 | 1·50 |
| Bourke | b | 84 | 42 | 0·01 |
| Narrabri . | b | 79 | 45 | 0·04 |
| Armidale. | b | 69 | — | 1·47 |
| Bendem'r | g | 55 | 25 | 0·01 |
| Gunned'h | c | 74 | 49 | 0 |
| C'n'mble | b | 76 | 45 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 52 | 30 | 0·01 |
| Tamw'rth | b | 69 | – | 0·91 |
| Coonab'n.. | b | 64 | 39 | 0·45 |
| P. M'cqrie | b | 73 | 64 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | c | 74 | 45 | 1·02 |
| Taree . | b | 74 | 45 | 0·04 |
| Cassilis | c | 78 | 45 | 0 |
| Muss'b'r'k | b | 71 | 44 | 0·64 |
| Dubbo . | g | 79 | 49 | 0 |
| Menindie. | b | 76 | 51 | 0·02 |
| Singleton | b | 71 | 52 | 1·24 |
| Nels'n's B | b | 72 | 54 | 0 |
| 18 60 Mudg | g | 81 | 39 | 0 |
| Maitland. | b | 85 | 49 | 0·30 |
| Hill End. | g | — | — | 0 |
| N wcastle | b | 72 | 49 | 0 |
| Orange .. | g | 68 | 39 | 0·36 |
| Bathurst | g | 72 | 40 | 0 |
| Forbes .. | b | 77 | 43 | 0 |
| M. Vict'ria | b | 68 | 40 | 0·25 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 74 | 40 | 0 |
| Picton .. | . | 79 | 48 | 0 |
| Sydney .. | b | 67 | 51 | 0 |
| Wentw'th | g | 61 | 50 | 0·16 |
| Young . | g | 65 | 43 | 0 |
| Woll'g'ng | o | 71 | 48 | 0 |
| Taralga.. | g | 70 | — | 0 |
| Hay .... | g | 70 | 30 | 0·26 |
| M'ss V'l | b | 57 | 39 | 0 |
| Euston | g | 61 | 43 | 0 |
| G'lburn | g | 57 | 39 | 0 |
| Wagga. | g | 71 | 34 | 0·25 |
| C Geo' | b | 69 | 45 | 0 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 65 | 42 | 0·03 |
| Deniliquin. | g | 71 | 39 | 0·07 |
| Moruya ... | . | — | — | — |
| Kiandra.. | r | 50 | 24 | 0·65 |
| Albury ... | g | 68 | 44 | 0·27 |
| Bodalla., | b | — | 33 | 0 |
| Cooma .... | c | 58 | 35 | 0·02 |
| Eden .... | b | 69 | 63 | 0 |

**H. C. RUSSELL**
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 30 1883.

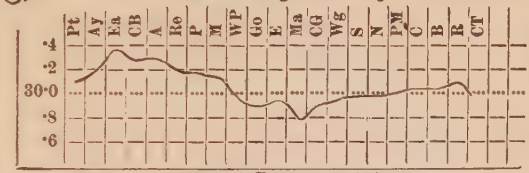
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | ..... | 58·640. |
| Average for 25 years from Jan. 1st to | Sept. 30 | 40·985 |
| Total Rainfall from Jan. 1st to | Oct. 30 .. | 42·345 |

Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·38 R *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 30·06 F 73

28 30·27 R 64

14 29·83 R 56

TIME BALL, Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time

MAG. VAR. 9°35′30″ E

Barometers risen about 0·20 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | wt | M′x | Vo | R′in |
|---|---|---|---|---|
| Casino .. | b | 81 | 42 | 0 |
| Tent'rfield | b | 60 | 37 | 0 |
| Clarence . | b | 71 | 57 | 0 |
| Moree .. | b | | — | 0 |
| Grafton .. | b | 83 | 45 | 0 |
| Gl n Inn's | b | 66 | 38 | 0 |
| Inverell. | b | 78 | 41 | 0 |
| Bourke | b | 80 | 56 | 0 |
| Narrabri . | b | 99 | 42 | 0 |
| Armidale. | b | 59 | — | 0 |
| Bendem'r | b | 64 | 36 | 0 |
| Gunned'h | c | 74 | 49 | 0 |
| C'n'mble | b | 72 | 48 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 60 | 31 | 0 |
| Tamw'rth | b | 66 | — | 0 |
| Coonab'n. | g | 69 | 37 | 0 |
| P. M'cqrie | b | 72 | 51 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 64 | 46 | 0 |
| Taree. | c | 75 | 48 | 0 |
| Cassilis | b | 64 | 48 | 0 |
| Muss'br'k | b | 74 | 49 | 0 |
| Dubbo . | b | 69 | 56 | 0 |
| Menindie. | g | 75 | 55 | 0 |
| Singleton | b | 73 | 51 | 0 |
| Nels'n's P. | b | 74 | 50 | 0 |
| 8 61 Mudg | g | 70 | 45 | 0 |
| Maitland. | b | 74 | 56 | 0 |
| Hill End. | g | — | — | 0·02 |
| N'wcastle | b | 72 | 55 | 0 |
| Orange .. | g | 57 | 45 | 0 |
| Bathurst | g | 58 | 44 | 0 |
| Forbes .. | b | 68 | 50 | 0 |
| M. Vict'ria | g | 53 | 43 | 0 |
| Carcoar . | . | — | — | 0·13 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 67 | 47 | — |
| Picton .. | c | 67 | 53 | 0 |
| Sydney .. | b | 70 | 59 | 0 |
| Wentw'th | g | 70 | 48 | 0 |
| Young . | g | 63 | 45 | 0 |
| Woll'g'ng | g | 75 | 57 | 0 |
| Taralga.. | . | 69 | — | 0 |
| Hay .. .. | b | 66 | 35 | 0 |

| Stations. | WT | M.x | Mn | R′in |
|---|---|---|---|---|
| Queanbe'an | g | 62 | 47 | 0·15 |
| Deniliquin. | b | 67 | 40 | 0·12 |
| Moruya .. .. | g | 70 | 48 | 0·23 |
| Kiandra... | g | 55 | 23 | 1·91 |
| Albury ... | b | 58 | 44 | 0·48 |
| Bodalla.. | b | — | 45 | 0·21 |
| Cooma .... | c | 68 | 37 | 0·10 |
| Eden .. .. | b | 58 | 37 | 0·11 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 60 | 44 | 0 |
| Euston | g | 70 | 46 | 0 |
| G'lburn | g | 60 | 43 | 0·03 |
| Wagga. | b | 66 | 38 | 0·25 |
| C Geo' | p | 70 | 49 | 0·17 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. OCT 31 1883.

Sydney Observatory.

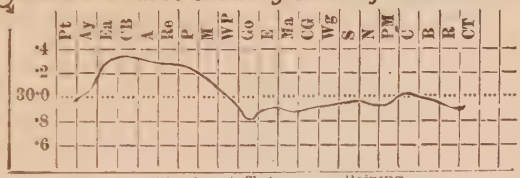
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Sept. 30 49·985
Total Rainfall from Jan. 1st to Oct. 31 .. 42·348
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | m'x | m'n | R'in |
|---|---|---|---|---|
| Casino . | b | 86 | 50 | 0 |
| Tent'rfield | b | 73 | 39 | 0 |
| Clarence . | b | 73 | 59 | 0 |
| Moree .. | b | | — | 0 |
| Grafton .. | b | 84 | 46 | 0 |
| Gl'n Inn's | b | 69 | 38 | 0 |
| Inverell. | b | 73 | 48 | 0 |
| Bourke | b | 86 | 58 | 0 |
| Narrabri. | b | 82 | 48 | 0 |
| Armidale. | b | 64 | — | 0 |
| Bendem'r | b | 62 | 56 | 0 |
| Gunned'h | c | 77 | 49 | 0 |
| C'n'mble | b | 77 | 50 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | b | 62 | 29 | 0 |
| Tamw'rth | b | 69 | — | 0 |
| Coonab'n. | b | 62 | 35 | 0 |
| P. M'cqrie | b | 73 | 50 | 0·26 |
| W'lcannia . | | — | — | — |
| Murr'ndi. | b | 66 | 44 | 0 |
| Taree. | b | 75 | 50 | 0·19 |
| Cassilis | b | 68 | 47 | 0 |
| Muss'br'k | b | 77 | 44 | 0 |
| Dubbo . | b | 76 | 51 | 0 |
| Menindie. | b | 71 | 54 | 0 |
| Singleton | o | 73 | 48 | 0·22 |
| Nels'n's P. | b | 72 | 49 | 0·45 |
| Mudg | b | 74 | 36 | 0 |
| Maitland. | b | 78 | 50 | 0·17 |
| Hill End. | b | — | — | 0 |
| N'wcastle | o | 76 | 52 | 0·28 |
| Orange .. | b | 68 | 38 | 0 |
| Bathurst | o | 68 | 35 | 0 |
| Forbes .. | b | 71 | 43 | 0 |
| M. Vict'ria | b | 75 | 46 | 0 |
| Carcoar . | b | 55 | 46 | 0 |
| Coud'b'lin | | — | — | 0 |
| Marsdens | b | 70 | 53 | — |
| Picton .. | o | 68 | 46 | 0 |
| Sydney . | c | 65 | 52 | 0 |
| Wentw'th | b | 72 | 37 | 0 |
| Young . | b | 72 | 40 | 0 |
| Woll'g'ng | b | 76 | 47 | 0 |
| Taralga.. | | 70 | — | 0 |
| Hay .... | b | 72 | 36 | 0 |

| Stations. | WT | M,x | mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 44 | 0 |
| Deniliquin. | g | 75 | 45 | 0 |
| Moruya .. .. | b | 64 | 47 | 0 |
| Kiandra.. | c | — | 32 | 0·11 |
| Albury .... | b | 70 | 47 | 0 |
| Bodalla.. | b | — | 32 | 0 |
| Cooma .... | b | 63 | 34 | 0 |
| Eden .. .. .. | b | 69 | 55 | 0 |
| M'ss V'l | b | 61 | 38 | 0 |
| Euston | b | 70 | 47 | 0 |
| G'lburn | b | 66 | 39 | 0·01 |
| Wagga. | b | 70 | 38 | 0 |
| C Geo' | b | 62 | 45 | 0 |

28 30·33 F 70 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

28 30·06 S 72

42 30·32 R 57

42 30·14 S 57

28 29·86 F 59

TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·15 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 1 1888.

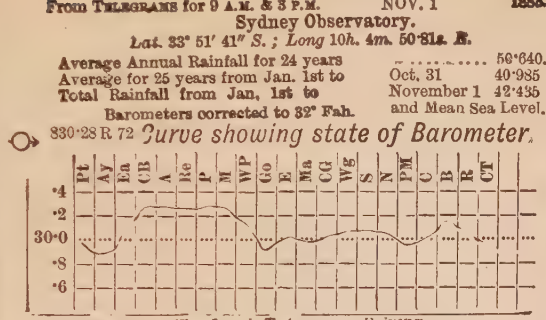
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 1 42·435
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 86 | 45 | 0 |
| Tent'rfield | b | 75 | 37 | 0 |
| Clarence . | b | 71 | 59 | 0 |
| Moree .. | b | | — | 0 |
| Grafton . | b | 85 | 46 | 0 |
| Gl n Inn's | b | 77 | 40 | 0 |
| Inverell. | b | 71 | 47 | 0 |
| Bourke | b | 85 | 58 | 0 |
| Narrabri . | b | 84 | 43 | 0 |
| Armidale. | b | 66 | — | 0 |
| Bendem'r | b | 66 | 26 | 0 |
| Gunned'h | b | 80 | 52 | 0 |
| C'n'mble | b | 77 | 52 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 67 | 25 | 0 |
| Tamw'rth | b | — | — | 0 |
| Coonab'n. | b | 74 | 36 | 0 |
| P. M'cqrie | b | 72 | 56 | 0·02 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 70 | 50 | 0 |
| Taree.. | b | 77 | 56 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 80 | 51 | 0 |
| Dubbo . | b | 72 | 52 | 0 |
| Menindie. | b | 73 | 53 | 0 |
| Singleton | o | 72 | 51 | 0 |
| Nels'n's R. | p | 76 | 53 | 0·29 |
| 23 66 | | | | |
| Mudg | b | 78 | 37 | 0 |
| Maitland. | g | 76 | 55 | 0·26 |
| Hill End. | b | – | — | 0 |
| N'wcastle | q | 75 | 50 | 0·11 |
| Orange .. | b | 62 | 38 | 0 |
| Bathurst | o | 67 | 37 | 0 |
| Forbes .. | b | 73 | 44 | 0 |
| M. Vict'ria | b | 67 | 39 | 0 |
| Carcoar . | b | 69 | 37 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 70 | 51 | 0 |
| Picton .. | b | 74 | 47 | 0·06 |
| Sydney .. | g | 75 | 51 | 0·09 |
| Wentw'th | b | 71 | 44 | 0 |
| Young . | o | 77 | 38 | 0 |
| Woll'g'ng | b | 79 | 46 | 0·12 |
| Taralga.. | b | 61 | — | 0 |
| Hay .... | o | 70 | 30 | 0 |

| Stations. | WT | M,X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 66 | 42 | 0 |
| Deniliquin. | b | 70 | 40 | 0 |
| Moruya .... | b | 62 | 56 | 0 |
| Kiandra.. | b | 61 | 27 | 0 |
| Albury .... | b | 61 | 40 | 0 |
| Bodalla.. | b | — | 40 | 0 |
| Cooma .... | b | 66 | 35 | 0 |
| Eden ..... | g | 68 | 46 | 0·03 |




Fine, wind N. Cloudy, wind E. T,storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m, SMT
or 2h.55m,9·19s,a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E

30·06 S 73
42 30·35 R 55
28 30·21 R 56
0 29 94 R 55

Barometers risen about 0·15 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 2 1883.

Sydney Observatory.

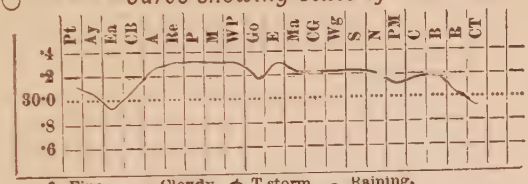
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 2 42·780
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 88 | 51 | 0 |
| Tent'rfield | b | 78 | 44 | 0 |
| Clarence . | l | 71 | 59 | 0 |
| Moree .. | b | . | — | 0 |
| Grafton .. | b | 83 | 46 | 0 |
| Gl'n Inn's | b | 80 | 45 | 0 |
| Inverell. | b | 73 | 48 | 0 |
| Bourke | b | 83 | 56 | 0 |
| Narrabri . | b | 85 | 52 | 0 |
| Armidale. | g | 68 | — | 0 |
| Pendem'r | b | 61 | 27 | 0 |
| Gunned'h | b | 83 | 55 | 0 |
| C'n'mble | b | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | g | 69 | 30 | 0 |
| Tamw'rth | b | 78 | — | 0 |
| Coonab'n. | b | 75 | 40 | 0 |
| P. M'cqrie | b | 68 | 53 | 0 |
| W'lcannia | b | — | — | — |
| Murr'ndi . | g | 70 | 50 | 0 |
| Taree.. | b | 69 | 51 | 0 |
| Cassilis | b | 75 | 55 | 0 |
| Muss'br'k | c | 77 | 48 | 0 |
| Dubbo .. | b | 73 | 55 | 0 |
| Menindie. | b | 72 | 52 | 0 |
| Singleton | o | 68 | 53 | 0 |
| Nels'n's B. | b | 72 | 54 | 0·47 |
| 34 87 Mudg | b | 82 | 43 | 0 |
| Maitland. | g | 65 | 53 | 0·04 |
| Hill End. | b | [illegible] | — | 0 |
| N'wcastle | q | 4 | 49 | 0·28 |
| Orange .. | b | 59 | 41 | 0 |
| Bathurst | b | 61 | 33 | 0 |
| Forbes .. | b | 74 | 49 | 0 |
| M. Vict'ria | b | 70 | 41 | 0 |
| Carcoar . | b | 68 | 42 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 72 | 52 | 0 |
| Picton .. | c | 67 | 53 | 0 |
| Sydney .. | g | 63 | 53 | 0·34 |
| Wentw'th | b | 72 | 49 | 0 |
| Young .. | b | 75 | 45 | 0 |
| Woll'g'ng | c | 71 | 51 | 0 |
| Taralga.. | g | 75 | — | 0 |
| Hay .... | b | 71 | 33 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 59 | 49 | 0 |
| Deniliquin. | b | 69 | 43 | 0 |
| Moruya .... | r | 68 | 54 | 0 |
| Kiandra.. | b | — | — | |
| Albury .... | c | 71 | 44 | 0 |
| Bodalla.. | c | — | 50 | 0 |
| Cooma .... | c | 56 | 40 | 0 |
| Eden ..... | p | 63 | 50 | 0·08 |

030·17 F 80 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 30·04 F 74

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·27 on S E coast. For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | d | 63 | 43 | 0·07 |
| Euston | b | 72 | 43 | 0 |
| G'lburn | g | 66 | 45 | 0 |
| Wagga. | b | 62 | 38 | 0 |
| C Geo' | g | 60 | 59 | 0·05 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

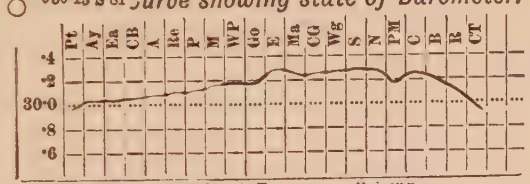
Average Annual Rainfall for 24 years ..... 56·640.
Average for 25 years from Jan. 1st to Oct, 31 40·985
Total Rainfall from Jan. 1st to November 3 42·780

Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | Vn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 45 | 0 |
| Deniliquin. | b | 81 | 50 | 0 |
| Moruya .. .. | b | 68 | 52 | 0 |
| Kiandra.. | — | — | — | — |
| Albury .... | b | 77 | 46 | 0 |
| Bodalla.. | b | — | 48 | 0 |
| Cooma .... | c | 64 | 40 | 0 |
| Eden ..... | b | 64 | 58 | 0 |

| Stations. | wt | M'x | Vn | R'in |
|---|---|---|---|---|
| Clarence .. | b | 82 | 62 | 0 |
| Tenterfield | b | 79 | 44 | 0 |
| Clarence . | b | 73 | 60 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 80 | 44 | 0 |
| Glen Inn's | b | 79 | 49 | 0 |
| Liverell. | b | 78 | 48 | 0 |
| Bourke | b | 82 | 61 | 0 |
| Narrabri . | b | 83 | 52 | 0 |
| Armidale. | b | 66 | — | 0 |
| Bendem'r | b | 65 | 29 | 0 |
| Gunned'h | c | 81 | 53 | 0 |
| C'n'mble | b | 79 | 55 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 66 | 40 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 74 | 40 | 0 |
| P. M'cqrie | b | 71 | 53 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 65 | 50 | 0 |
| Taree.. | b | 69 | 50 | 0 |
| Cassilis | b | 68 | 53 | 0 |
| Muss'br'k | b | 75 | 49 | 0 |
| Dubbo . | b | 72 | 53 | 0 |
| Menindie. | o | 78 | 53 | 0 |
| Singleton | . | — | — | — |
| Nels'n's R. | b | 70 | 50 | 0·05 |
| 18 64 Mudg | g | 77 | 43 | 0 |
| Maitland. | b | 70 | 54 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | g | 67 | 50 | 0·33 |
| Orange .. | b | 62 | 45 | 0 |
| Bathurst | b | 66 | 42 | 0 |
| Forbes .. | b | 81 | 48 | 0 |
| M. Vict'ria | g | 51 | 40 | 0 |
| Carcoar . | b | 72 | 52 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 75 | 55 | 0 |
| Picton .. | g | 65 | 48 | 0 |
| Sydney .. | g | 65 | 53 | 0·07 |
| Wentw'th | b | 82 | 59 | 0 |
| Young . | b | 74 | 45 | 0 |
| Woll'g'ng | c | 71 | 48 | 0 |
| Taralga.. | b | 62 | . | 0 |
| Hay .... | b | 84 | 43 | 0 |
| M'ss V'l'c | c | 58 | 42 | 0 |
| Euston | b | 82 | 48 | 0 |
| G'lburn | b | 63 | 33 | 0 |
| Wagga. | b | 73 | 45 | 0 |
| C Geo' | c | 67 | 49 | 0 |

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

H. C. RUSSELL,
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 5 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·935
Total Rainfall from Jan. 1st to November 5 42·737
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M | X | m | R in |
|---|---|---|---|---|---|
| Casino . | g | 85 | 70 | 0 | |
| Tent'rfield | g | 81 | 60 | 0 | 13 |
| Clarence . | g | 71 | 53 | 0 | |
| Moree .. | . | — | — | — | |
| Grafton .. | g | 82 | 45 | 0 | |
| Gl n Inn's | g | 7 | | | 84 |
| Inverell. | g | 78 | | | 13 |
| Bourke .. | c | 94 | 63 | 0 | |
| Narrabri . | b | 8 | | | 0 |
| [illegible] | g | 6 | | | 12 |
| Bendem'r | . | 7 | | | 0 |
| Gunned'h | c | 7 | | | 1 |
| [illegible] | b | 79 | 62 | 0 | 45 |
| Kempsey | — | — | — | — | |
| Walcha.. | g | | | | 2 |
| [illegible] | . | 71 | — | 0 | |
| [illegible] | b | 68 | 46 | 0 | 26 |
| [illegible] | b | 77 | 60 | 0 | 06 |
| [illegible] | . | — | — | — | |
| Murr'ndi. | b | 70 | 50 | 0 | |
| Taree.. | b | 73 | 60 | 0 | |
| Cassilis | b | 7 | 5 | 0 | |
| Muss'br'k | b | 82 | 46 | 0 | |
| Dubbo . | b | 80 | 55 | 0 | |
| Menindie. | c | 91 | 61 | 0 | |
| Singleton | b | 75 | 50 | 0 | |
| Nels'n's B. | b | 76 | 57 | 0 | |
| 18 74 Mudg | b | 82 | 44 | 0 | |
| Maitland. | b | 75 | 49 | 0 | |
| Hill End. | . | — | — | — | |
| N'wcastle | b | 71 | 60 | 0 | |
| Orange .. | b | 68 | 46 | 0 | |
| Bathurst | b | 7 | 0 | 0 | |
| Forbes .. | b | 6 | 47 | 0 | |
| M. Vict'ria | b | 71 | 52 | 0 | |
| Carcoar . | b | 76 | 45 | 0 | |
| Cond'b'lin | . | — | — | — | |
| Marsdens | b | 8 | 63 | 0 | |
| Picton .. | b | 70 | 45 | 0 | |
| Sydney .. | b | 66 | 55 | 0 | 01 |
| Wentw'th | b | 9 | 58 | 0 | |
| Young . | b | 85 | 46 | 0 | |
| Woll'g'ng | b | 74 | 49 | 0 | |
| Taralga.. | b | 75 | | 0 | |
| Hay .... | b | 94 | 43 | 0 | |

| Stations. | WT | M | X | m | R in |
|---|---|---|---|---|---|
| Queanbe'an | b | 73 | 46 | 0 | |
| Deniliquin. | b | 91 | 51 | 0 | |
| Moruya .. | b | 67 | 52 | 0 | |
| Kiandra .. | b | 78 | 25 | — | |
| Albury .... | b | 84 | 49 | 0 | |
| Bodalla.. | b | — | 46 | 0 | |
| Cooma .... | b | 79 | 38 | 0 | 02 |
| [illegible] | b | 67 | 57 | 0 | |

| | | | | | |
|---|---|---|---|---|---|
| M'ss V'll | b | 69 | 43 | 0 | |
| Euston | b | 99 | 57 | 0 | |
| G'lburn | b | 79 | 42 | 0 | |
| Wagga. | b | 82 | 41 | 0 | |
| C Geo' | b | 87 | 49 | 0 | |

830·04 F 87 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T,storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
MAG, VAR. 9°35′30″ E

Barometers fallen about 0·20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 6 1883.

Sydney Observatory.

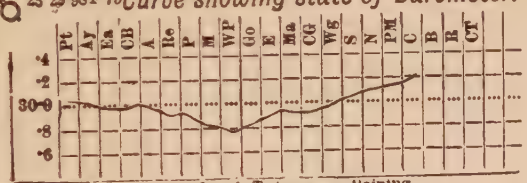
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·935
Total Rainfall from Jan. 1st to November 5 42·787
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | m'x | w'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 80 | 50 | 0 |
| Tent'rfield | b | 68 | 50 | 0·26 |
| Clarence . | b | 71 | 62 | 0 |
| Moree .. | . | . | — | — |
| Grafton .. | b | 77 | 54 | 0 |
| Gl n Inn's | b | 76 | 50 | 0·30 |
| Inverell.. | b | 74 | 53 | 0 |
| Bourke | b | 91 | 73 | 0 |
| Narrabri . | b | 88 | 58 | 0 |
| Armidale. | b | 70 | — | 0 |
| Bendem'r | b | 71 | 34 | 0 |
| Gunned'h | b | 84 | 60 | 0 |
| C'n'mble | b | 82 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 71 | 49 | 0 |
| Tamw'rth | b | 81 | 31 | 0 |
| Coonab'n. | b | 83 | 46 | 0 |
| P. M'cqrie | b | 72 | 54 | 0·02 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 76 | 56 | 0 |
| Taree.. | b | 73 | 52 | 0 |
| Cassilis | b | 75 | 55 | 0 |
| Muss'br'k | b | 85 | 53 | 0 |
| Dubbo . | b | 82 | 65 | 0 |
| Menindie. | o | 85 | 65 | 0 |
| Singleton | b | 80 | 56 | 0 |
| Nels'n's B' | b | 77 | 56 | 0 |
| 13 66 | | | | |
| Mudg. | b | 86 | 45 | 0 |
| Maitland. | b | 79 | 55 | 0 |
| Hill End. | . | | — | — |
| N'wcastle | b | 71 | 57 | 0 |
| Orange .. | . | — | — | 0 |
| Bathurst | b | 81 | 44 | 0 |
| Forbes .. | b | 93 | 62 | 0 |
| M.Vict'ria | b | 72 | 60 | 0 |
| Carcoar . | b | 77 | 53 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 80 | 65 | 0 |
| Picton .. | b | 77 | 51 | 0 |
| Sydney .. | b | 70 | 58 | 0 |
| Wentw'th | b | 97 | 63 | 0 |
| Young . | b | 85 | 52 | 0 |
| Woll'g'ng | b | 71 | 56 | 0 |
| Taralga.. | b | 80 | . | 0 |
| Hay .. .. | c | 96 | 52 | 0 |

| Stations. | WT | M,X | VH | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 76 | 50 | 0 |
| Deniliquin. | g | 96 | 65 | 0 |
| Moruya .. .. | b | 68 | 33 | 0 |
| Kiandra .. | b | 82 | 40 | 0 |
| Albury .... | g | 86 | 59 | 0 |
| Bodalla.. | b | — | 47 | 0·09 |
| Cooma .... | b | 79 | 40 | 0 |
| Eden .. .. | b | 70 | 67 | 0 |

23 29·98 F 75 *Curve showing state of Barometer.*




Fine, wind R. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 7 1882.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ·0·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 7 42·843
Barometers corrected to 32° Fah. and Mean Sea Level.

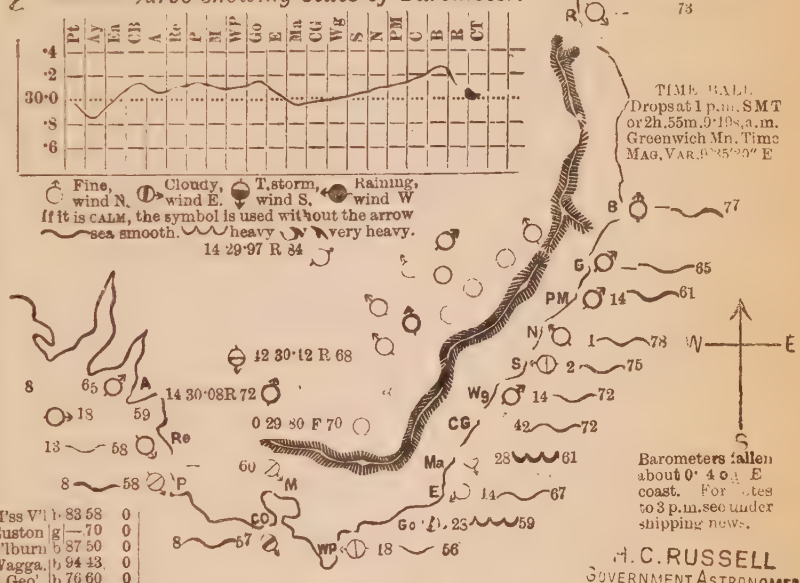
8 30·13 R 82 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow
sea smooth. heavy very heavy.

14 29·97 R 84




TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

42 30·12 R 68

14 30·08R 72

0 29 80 F 70

Barometers fallen about 0·4 o.g. E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M | X | MIN | R'IN |
|---|---|---|---|---|---|
| Casino . | b | 90 | 52 | | 0 |
| Tent'rfield | b | 84 | 48 | | 0 |
| Clarence . | b | 76 | 63 | | 0 |
| Moree . | . | | — | | — |
| Grafton | b | 91 | 47 | | 0 |
| Gl'n Inn's | b | 83 | 48 | | 0 |
| Inverell. | b | 76 | 54 | | 0 |
| Bourke | b | 96 | 75 | | 0 |
| Narrabri . | b | 90 | 56 | | 0 |
| Armidale. | b | 76 | — | | 0 |
| Bendem'r | b | 77 | 40 | | 0 |
| Gunned'h | c | 87 | 64 | | 0 |
| C'n'mble | b | 90 | 65 | | 0 |
| Kempsey | . | — | — | | — |
| Walcha.. | b | 74 | 46 | | 0·04 |
| Tamw'rth | b | — | — | | 0 |
| Coonab'n. | b | 88 | 50 | | 0 |
| P. M'cqrie | b | 73 | 60 | | 0 |
| W'lcannia | . | — | — | | — |
| Murr'ndi . | b | 81 | 59 | | 0 |
| Taree. | b | 84 | 52 | | 0 |
| Cassilis | b | 85 | 68 | | 0 |
| Muss'br'k | b | 95 | 61 | | 0·10 |
| Dubbo . | b | 87 | 65 | | 0 |
| Menindie. | g | 103 | 73 | | 0 |
| Singleton | b | 86 | 64 | | 0·10 |
| Nels'n's B | b | 79 | 64 | | 0 |
| 18 66 Mudg | b | 89 | 51 | | 0 |
| Maitland. | b | 87 | 64 | | 0·10 |
| Hill End. | . | — | — | | — |
| N'wcastle | b | 80 | 57 | | 0 |
| Orange .. | b | 77 | 53 | | 0 |
| Bathurst | b | 87 | 52 | | 0 |
| Forbes .. | b | 100 | 68 | | 0 |
| M. Vict'ria | b | 80 | 64 | | 0 |
| Carcoar . | b | 80 | 55 | | 0 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | b | 90 | 71 | | 0 |
| Picton .. | c | 85 | 46 | | 0·31 |
| Sydney .. | c | 77 | 62 | | 0 |
| Wentw'th | g | 98 | 63 | | 0 |
| Young . | b | 95 | 56 | | 0 |
| Woll'g'ng | b | 79 | 56 | | 0 |
| Taralga.. | b | 82 | - | | 0 |
| Hay .... | c | 100 | 56 | | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 83 | 58 | 0 |
| Euston | g | — | 70 | 0 |
| G'lburn | b | 87 | 50 | 0 |
| Wagga. | b | 94 | 43 | 0 |
| C Geo' | b | 76 | 60 | 0 |

| Stations. | WT | M | X | MIN | R'IN |
|---|---|---|---|---|---|
| Queanbe'an | b | 83 | 57 | | 0 |
| Deniliquin. | b | 101 | 60 | | 0 |
| Moruya .. . | g | 71 | 68 | | 0·15 |
| Kiandra.. | b | 81 | 39 | | 0 |
| Albury ... | b | 92 | 60 | | 0 |
| Bodalla.. | g | — | 48 | | 0·03 |
| Cooma ... | c | 87 | 48 | | 0 |
| Eden .... | b | 70 | 67 | | 0 |

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# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 8 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S. *Long* 10*h.* 4*m* 50·81*s.* E

Average Annual [illegible]

Average for 25 years from Jan. 1st to Oct. 31 40·985

Total Rainfall [illegible]

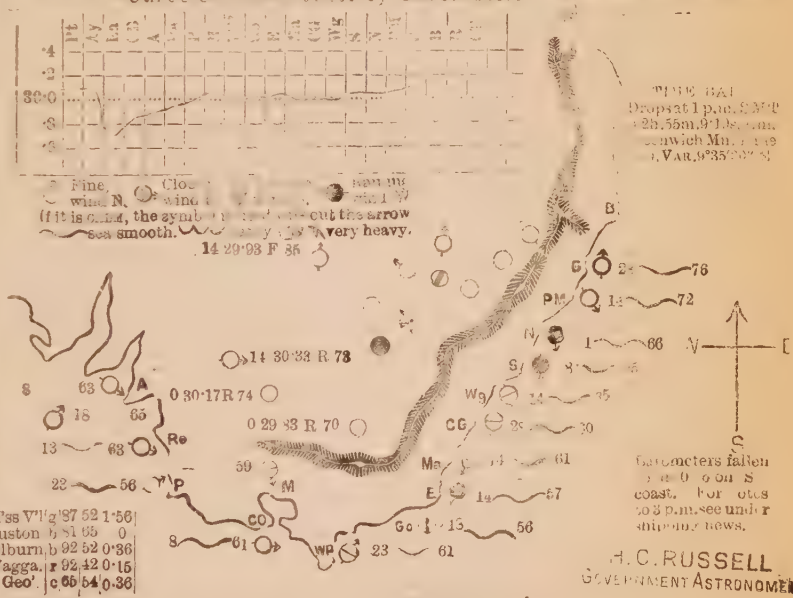
Barometer [illegible]

0 30·03 F 88 *Curve* [illegible] *state of* [illegible]

| Stations. | WT. | M. | X | Rain |
|---|---|---|---|---|
| Queanbe'an | . | — | — | — |
| Bendigo | b | 85 | 50 | 0 |
| Moruya | g | 57 | 55 | 0·11 |
| Kiandra | c | 82 | 42 | [illegible] |
| Albury | b | 89 | 51 | [illegible] |
| Bodalla | b | — | 52 | 0·27 |
| [illegible] | . | — | — | — |
| [illegible] | p | 76 | 58 | 0·76 |

| Stations. | WT. | M. | X | Rain |
|---|---|---|---|---|
| Casino | b | 95 | 68 | 0 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| Clarence | b | 78 | 64 | 0 |
| Moree | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Glen Inn's | g | 84 | 52 | 0·20 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Bendem'r | g | 64 | 43 | 0·28 |
| Gunned'h | c | 90 | 69 | 0·04 |
| C'n'mble | b | 94 | 73 | 0·24 |
| Kempsey | | — | — | — |
| Walcha | g | 75 | 49 | 0·32 |
| [illegible] | [illegible] | [illegible] | — | 0·39 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | [illegible] | [illegible] | [illegible] | — |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Menindie | b | 90 | 65 | 0 |
| Singleton | g | 90 | 66 | 0 |
| Nels'n's B | o | 72 | 63 | 0 |
| — 64 | | | | |
| Mudg | b | 95 | 57 | 0·07 |
| Maitland | | — | | |
| Hill End | b | | — | 0·25 |
| N'wcastle | r | 84 | 62 | 0·04 |
| Orange | g | 80 | 54 | 0·25 |
| Bathurst | b | 90 | 56 | 0·37 |
| Forbes | b | 102 | 60 | 0·04 |
| M. Vict'ria | g | 81 | 60 | 0·80 |
| Carcoar | g | 86 | 58 | 0·46 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 92 | 66 | 0·40 |
| Picton | g | 89 | 60 | 0·69 |
| Sydney | d | 81 | 60 | 0·47 |
| Wentw'th | b | 80 | 58 | 0 |
| Young | p | 93 | 60 | 0·15 |
| Woll'g'ng | c | 95 | 56 | 0·04 |
| Taralga | c | 80 | - | 0·38 |
| Hay | b | 115 | 82 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 87 | 52 | 1·56 |
| Euston | b | 81 | 65 | 0 |
| G'lburn | b | 92 | 52 | 0·36 |
| Wagga | r | 92 | 42 | 0·15 |
| C Geo' | c | 65 | 54 | 0·36 |




TIME BAL[illegible]
Drops at 1 p.m. [illegible]
2h.55m.9·1[illegible]
[illegible]nwich Mn. [illegible]
VAR. 9°35′[illegible]

Barometers fallen [illegible] on S coast. For [illegible] to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 10 1882.

Sydney Observatory.

*Lat* 33 51 41″ S. ; *Long* 10*h*. 4*m*. 50·81*s*. E

Average Annual Rainfall for 24 years 0·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 10 42·977
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 75 | 59 | 0·23 |
| Deniliquin. | r | 92 | 55 | 0·30 |
| Moruya .. . | p | 73 | 60 | 0 |
| Kiandra.. | r | 78 | 60 | 0·45 |
| Albury ... | u | 86 | 65 | 0·22 |
| Bodalla . | r | — | 57 | 0·17 |
| Cooma .... | u | 80 | 50 | 0·07 |
| Eden .... | p | 66 | 59 | 0·08 |

| STATIONS | | | | |
|---|---|---|---|---|
| Casino . | . | — | — | — |
| Tend'rfield | . | — | — | |
| Clarence . | . | — | — | — |
| Moree | b | | - | 0·06 |
| Grafton | . | — | — | — |
| Gl'n Inn's | . | — | — | — |
| Inverell | b | 83 | 55 | 0 |
| Bourke | g | 108 | 74 | 0·17 |
| Narrabri . | b | 9 | 71 | 0 |
| Armidale. | b | 76 | — | 0·20 |
| Bendem'r | c | 73 | 49 | 0 |
| Gunned'h | b | 89 | 71 | 0 |
| C'n'mble | b | 95 | 68 | 0 |
| Kempsey | . | — | — | |
| Walcha. | g | 76 | 58 | 0·01 |
| Tamw'rth | b | 82 | — | 0·06 |
| Coonab'n. | b | 71 | 67 | 0 |
| P. M'cqrie | o | 76 | 63 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 81 | 65 | 0 |
| Taree. | c | 73 | 41 | 0 |
| Cassilis | b | 68 | 58 | 0 |
| Muss'br'k | b | 86 | 62 | 0 |
| Dubbo . | b | 90 | 72 | 0 |
| Menindie. | . | — | — | - |
| Singleton | b | 75 | 65 | 0 |
| Nels'n's B' | g | 73 | 61 | 0 |
| — — | | | | |
| Mudg | g | 89 | 60 | 0·03 |
| Maitland. | g | 70 | 55 | 0 |
| Hill End. | b | | — | 0·06 |
| N'wcastle | g | 71 | 61 | 0 |
| Orange .. | o | 75 | 61 | 0·24 |
| Bathurst | b | 83 | 61 | 0·08 |
| Forbes .. | b | 94 | 68 | [illegible] |
| M. Vict'ria | b | 74 | 71 | 0 |
| Carcoar . | b | 78 | 59 | 0·03 |
| Cond'b'lin | . | — | — | - - |
| Marsdens | b | 90 | 73 | 0 |
| Picton .. | u | 74 | 56 | 0·01 |
| Sydney .. | o | 68 | 61 | 0·13 |
| Wentw'th | . | — | — | — |
| Young . | g | 90 | 65 | 0·08 |
| Woll'g'ng | o | 74 | 58 | 0·04 |
| Taralga.. | g | 76 | — | 0 |
| Hay .... | u | 100 | 54 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 74 | 53 | 0·05 |
| Euston | b | — | | 0 |
| G'lburn | g | 79 | 66 | 0·03 |
| Wagga. | | 82 | 53 | 0·26 |
| C Geo'. | | 72 | 60 | 0·07 |

*Curve showing state of Barometer.*

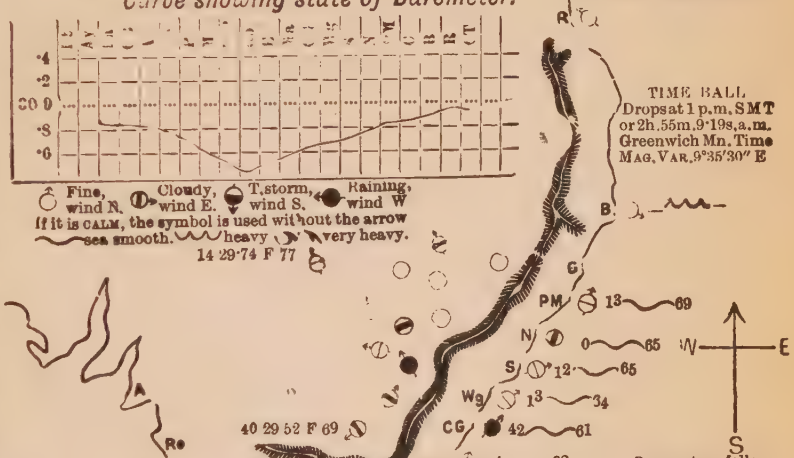



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

14 29·74 F 77




TIME BALL
Drops at 1 p.m. SMT or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0 4 on S.E. coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

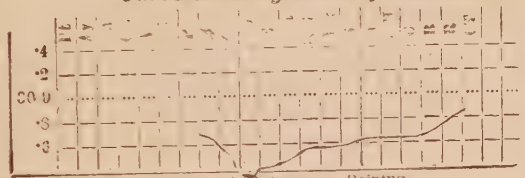
From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 12, 1888.

Sydney Observatory.

*Lat* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

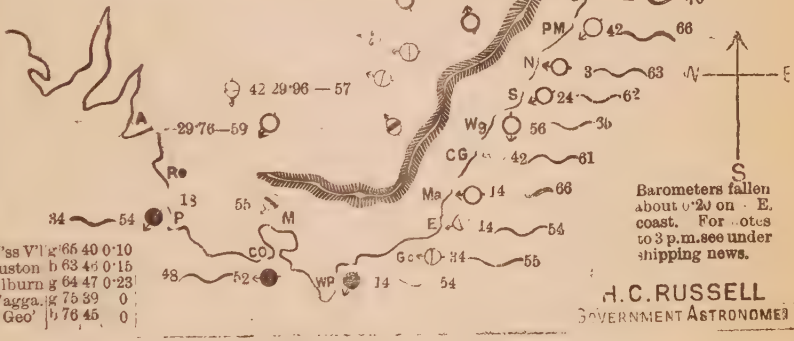
Average Annual Rainfall for 24 years .. .. 50·540.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 12 43·118
Barometers corrected to 32° Fah and Mean Sea Level.

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·1s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°15′ E




Barometers fallen about 0·20 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | . | — | — | — |
| Tent'rfield | . | — | — | — |
| Clarence . | b | 70 | 65 | 0 |
| Morée .. | b | — | — | 0·19 |
| Grafton | b | 94 | 46 | 0·10 |
| Gl n' Inn's | b | 80 | 53 | 0 |
| Inverell. | b | 81 | 48 | 0 |
| Bourke | . | — | — | — |
| Narrabri . | b | 94 | 46 | 0·34 |
| Armidale. | l | 76 | — | 1·00 |
| Bendem'r | g | 60 | 30 | 0 |
| Gunned'h | b | 83 | 54 | 0·58 |
| C'n'mble | b | 81 | 48 | 0·45 |
| Kempsey | . | — | — | |
| Walcha.. | b | 71 | 37 | 0 |
| Tamw'rth | b | 78 | — | 0 |
| Coouab'n. | b | 58 | 51 | 0 |
| P. M'cqrie | b | 83 | 56 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 82 | 50 | 0·25 |
| Taree | b | 85 | 54 | 0 |
| Cassilis | b | 70 | 48 | 0·55 |
| Muss'br'k | b | 83 | 50 | 0·88 |
| Dubbo . | b | 90 | 50 | 0·83 |
| Menindie. | g | 78 | 52 | 0 |
| Singleton | b | 71 | 55 | 0·56 |
| Nels'n's B' | b | 72 | 52 | 0·05 |
| — — | | | | |
| Mudg | g | 85 | 41 | 0·55 |
| Maitland. | b | 85 | 53 | 0·50 |
| Hill End. | g | | — | 1·43 |
| N'wcastle | o | 82 | 51 | 0 |
| Orange .. | g | 64 | 42 | 0·09 |
| Bathurst | g | 78 | 48 | 0·88 |
| Forbes .. | c | 75 | 44 | 2·37 |
| M. Vict'ria | b | 72 | 45 | 0·21 |
| Carcoar . | g | 78 | 38 | 1·51 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 76 | 43 | 0·50 |
| Picton .. | b | 69 | 52 | 0·07 |
| Sydney .. | b | 77 | 53 | 0·14 |
| Wentw'th | g | 65 | 49 | 0·03 |
| Young . | o | 66 | 42 | 0·23 |
| Woll'g'ng | b | 81 | 45 | 0 |
| Taralga.. | b | 70 | — | 0 |
| Hay .... | o | 174 | 5 | 0·07 |

| Stations. | WT | M. | X | Mn | R'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 70 | 44 | 0·20 | |
| Deniliquin. | b | 73 | 45 | 0·40 | |
| Moruya . | b | 54 | 47 | 0 | |
| Kiandra | r | 61 | 27 | 2·68 | |
| Albury .. | | — | — | — | |
| Bodalla . | b | — | 59 | 1·30 | |
| Cooma . . | c | 79 | 32 | 0·16 | |
| Eden .... | g | 70 | 47 | 0·63 | |
| M'ss V'l | g | 66 | 40 | 0·10 | |
| Euston | b | 63 | 46 | 0·15 | |
| G'lburn | g | 64 | 47 | 0·23 | |
| Wagga. | g | 75 | 39 | 0 | |
| C Geo' | b | 76 | 45 | 0 | |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 13 1883.

Sydney Observatory.

*Lat* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E

Average Annual Rainfall for 24 years ·0640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 13 43·118
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | | WT | M.X | MN | R'in |
|---|---|---|---|---|---|
| Queanbe'an | | | 63 | 40 | 0 |
| Deniliquin. | b | | 69 | 47 | 0 |
| Moruya . | b | | 71 | 49 | 0 |
| Kiandra . | | | 51 | 35 | 1·25 |
| Albury ... | | | 72 | 45 | 0 |
| Bodalla . | g | | — | 42 | 0 |
| Cooma . .. | | | 65 | 34 | 0 |
| Eden .... | | | 68 | 51 | 0 |

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## *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 20 on E. coast. For otes to 3 p.m. see under shipping news.

| STATIONS | | | | |
|---|---|---|---|---|
| Casino | b | 85 | 42 | 0 |
| Port'rfield | . | 78 | 48 | 1·10 |
| Clarence . | b | — | — | |
| Moree | b | — | — | 0 |
| Grafton | b | 88 | 47 | 0 |
| Glen Inn's | b | 85 | 40 | 0 |
| Inverell. | b | 74 | 51 | 0 |
| Bourke | g | 84 | 57 | 0 |
| Narrabri . | b | 94 | 4[illegible] | 0 |
| Armidale. | b | 65 | — | 0 |
| Bendem'r | b | 68 | 28 | 0 |
| Gunned'h | c | 77 | 51 | 0 |
| C'n'mble | b | 77 | 50 | 0 |
| Kempsey | . | — | — | |
| Walcha.. | b | 64 | 32 | 0 |
| Tamw'rth | b | 70 | — | 0 |
| Coonab'n. | b | 72 | 37 | 0 |
| P. M'cqrie | b | 78 | 52 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi . | b | 68 | 46 | 0 |
| Taree | b | 79 | 50 | 0 |
| Cassilis | b | 78 | 58 | 0 |
| Muss'br'k | b | 75 | 48 | 0 |
| Dubbo . | b | — | — | — |
| Menindie. | r | 75 | 59 | 0 |
| Singleton | b | 75 | 53 | 0 |
| Nels'n's B | b | 70 | 50 | 0 |
| — — | | | | |
| Mudg | b | 71 | 37 | 0 |
| Maitland. | b | 77 | 52 | 0 |
| Hill End. | b | | — | 0 |
| N'wcastle | b | 77 | 50 | 0 |
| Orange .. | b | 58 | 39 | 0 |
| Bathurst | b | 61 | 37 | 0 |
| Forbes .. | b | 70 | 44 | 0 |
| M. Vict'ria | b | 56 | 50 | 0 |
| Carcoar . | b | 63 | 38 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 67 | 51 | 0 |
| Picton .. | b | 68 | 40 | 0 |
| Sydney .. | g | 68 | 40 | 0 |
| Wentw'th | g | 69 | 54 | 0 |
| Young . | b | 65 | 38 | 0 |
| Woll'g'n | [illegible] | 74 | 47 | 0 |
| Taralga.. | b | 70 | — | 0 |
| Hay .... | g | 74 | 33 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 60 | 41 | 0 |
| Euston | b | 73 | 48 | 0 |
| G'lburn | b | 61 | 37 | 0 |
| Wagga. | b | 71 | 40 | 0 |
| C Geo' | b | 70 | 50 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 14 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

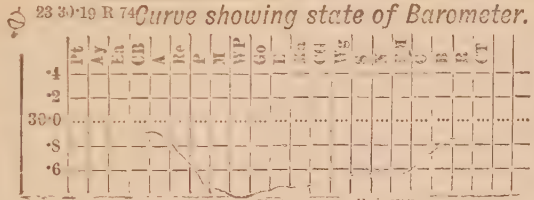
Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 14 43·118
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino . | c | 94 | 62 | 0 |
| Ten't'rfield | g | 83 | 63 | 0 |
| Clarence . | . | — | — | |
| Moree . | g | — | — | 0 |
| Grafton | g | 90 | 46 | 0 |
| Gl'n Inn's | b | 82 | [illegible] | 0·12 |
| Inverell. | b | 75 | [illegible] | 0 |
| Bourke | b | 85 | [illegible] | 0 |
| Narrabri. | g | 85 | 8 | 0 |
| Armidale | b | 71 | — | 0 |
| Bendem'r | g | 66 | 43 | 0·02 |
| Gunned'h | c | 82 | 63 | 0·05 |
| C'n'mble | . | — | — | 0 |
| Kempsey | . | — | — | |
| Walcha.. | g | 69 | 51 | 0·04 |
| Tamw'rth | b | 7[illegible] | [illegible] | 0·07 |
| Coona'bin. | b | 79 | 54 | 0 |
| P. M'c'rie | b | 75 | 62 | 0 |
| W'leanm. | c | — | — | — |
| Murr'ndi. | . | . | | — |
| Taree. | b | 79 | 59 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 8[illegible] | [illegible] | 0 |
| Dubbo . | b | 70 | [illegible] | 0 |
| Menindie. | b | 68 | 54 | 0·3[illegible] |
| Singleton | b | 76 | 60 | 0 |
| Nels'n's B. | b | 79 | 60 | 0 |
| — — | | | | |
| udg | b | 72 | 47 | 0 |
| Maitland. | b | 8[illegible] | 59 | 0 |
| Hill End. | b | | — | 0 |
| N'wcastle | b | 7[illegible] | 54 | 0 |
| Orange .. | g | 6[illegible] | 50 | 0·08 |
| Bathurst | g | 69 | 51 | 0·05 |
| Forbes .. | g | 72 | 52 | 0·06 |
| M. Vict'ria | g | 62 | 57 | 0 |
| Carcoar . | g | 60 | 40 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | — |
| Picton .. | g | 76 | 43 | 0·01 |
| Sydney .. | b | 74 | 61 | 0 |
| Wentw'th | b | 66 | 49 | 0·04 |
| Young . | g | 74 | 51 | 0·51 |
| Woll'g'ng | b | 77 | 56 | 0·10 |
| Taralga.. | g | 72 | — | 0 |
| Hay .... | g | 62 | 40 | 0·38 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 68 | 53 | 0·08 |
| Deniliquin. | b | 69 | 51 | 0·35 |
| Moruya .. . | b | 71 | 65 | 0·07 |
| Kiandra.. | g | 62 | 35 | 0 |
| Albury ... | g | 69 | 54 | 0·32 |
| Bodalla.. | b | — | 51 | 0·05 |
| Cooma .... | g | 69 | 46 | 0·10 |
| Eden .... | b | 70 | 69 | 0 |

81

23 30·19 R 74 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·1s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 3 on S E. coast. For otis to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 68 | 48 | 0·04 |
| Euston | b | 70 | 47 | 0·37 |
| G'lburn | g | 65 | 49 | 0·07 |
| Wagga. | b | 74 | 40 | 0 |
| C Geo' | b | 69 | 64 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 15 1883.

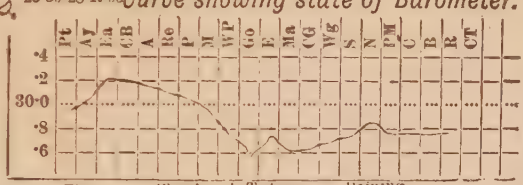
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

| | | |
|---|---|---|
| Average Annual Rainfall for 24 years | ..... | 50·640. |
| Average for 25 years from Jan. 1st to | Oct. 31 | 40·985 |
| Total Rainfall from Jan. 1st to | November 15 | 43·118 |

Barometers corrected to 32° Fah. and Mean Sea Level.

23 30·28 R 63 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy. very heavy.

42 29·95 R 69

TIME BALL Drops at 1 p.m. SMT or 2h.55m.9·19s, a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 3 on S E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | wt | m'x | vp | R'in |
|---|---|---|---|---|
| Casino . | b | 97 | 60 | 0 |
| Tent'rfield | c | 83 | 35 | 0 |
| Clarence . | b | 79 | 68 | 0 |
| Moree .. | . | — | — | - |
| Grafton . | b | 95 | 50 | 0 |
| Gl'n Inn's | b | 77 | 52 | 0 |
| Inverell. | b | 78 | 54 | 0 |
| Bourke | b | 87 | 59 | 0 |
| Narrabri . | b | 88 | 54 | 0 |
| Armidale. | b | 72 | — | 0 |
| Bendem'r | b | 65 | 13 | 0 |
| Gunned'h | b | 85 | 68 | 0 |
| C'n'mble | b | 85 | 55 | 0 |
| Kempsey | . | — | — | |
| Walcha.. | b | 73 | 44 | 0 |
| Tamw'rth | b | 80 | — | 0 |
| Coonab'n. | b | 79 | 47 | 0 |
| P. M'cqrie | b | 80 | 58 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 77 | 55 | 0 |
| Taree | b | 79 | 57 | 0 |
| Cassilis | b | 78 | 55 | 0 |
| Muss'br'k | b | 86 | 66 | 0 |
| Dubbo . | b | 75 | 54 | 0 |
| Menindie. | b | 72 | — | 0 |
| Singleton | b | 83 | 60 | 0 |
| Nels'n's R. | b | 74 | 51 | 0 |
| 8 63 Mudg | b | 78 | 45 | 0 |
| Maitland. | b | 80 | 59 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 86 | 58 | 0 |
| Orange .. | b | 64 | 43 | 0 |
| Bathurst | g | 67 | 43 | 0 |
| Forbes .. | b | 71 | 50 | 0 |
| M. Vict'ria | b | 60 | 45 | 0 |
| Carcoar . | g | 65 | 45 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 76 | 55 | 0 |
| Picton .. | c | 76 | 54 | 0 |
| Sydney . | b | 81 | 58 | 0 |
| Wentw'th | b | 61 | 44 | 0 |
| Young . | g | 71 | 47 | 0 |
| Woll'g'ng | b | 82 | 54 | 0 |
| Taralga.. | b | 66 | — | 0 |
| Hay .... | b | 85 | 30 | 0 |
| M'ss V'l. | b | 67 | 42 | 0 |
| Euston | b | 65 | 44 | 0 |
| G'lburn | b | 67 | 41 | 0 |
| Wagga. | b | 74 | 42 | 0 |
| C Geo' | c | 77 | 61 | 0 |

| Stations. | WT | M.X | vp | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 67 | 46 | 0 |
| Deniliquin. | b | 66 | 43 | 0 |
| Moruya .... | b | 72 | 50 | 0 |
| Kiandra .. | c | 57 | 28 | 0·23 |
| Albury .... | g | 63 | 42 | 0 |
| Bodalla.. | b | — | 47 | 0 |
| Cooma .... | b | 66 | 39 | 0 |
| Eden ..... | g | 72 | 66 | 0 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. NOV. 16 1883.

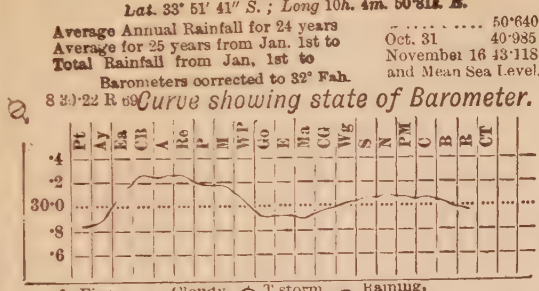
Sydney Observatory.

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m.* 50·31*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 ..... 40·985
Total Rainfall from Jan. 1st to November 16 ..... 43·118

Barometers corrected to 32° Fah. and Mean Sea Level.

8 30·22 R 69 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

28 30·09 R 70

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 97 | 49 | 0 |
| Peat'rfield | b | 75 | 35 | 0 |
| Clarence . | b | 77 | 64 | 0 |
| Moree .. | . | — | — | . |
| Grafton .. | b | 86 | 45 | 0 |
| Glen Inn's | b | 73 | 37 | 0 |
| Inverell. | b | 78 | 48 | 0 |
| Tourke | b | 81 | 55 | 0 |
| Narrabri . | b | 79 | 50 | 0 |
| Armidale. | b | 74 | — | 0 |
| Bendem'r | b | 66 | 38 | 0 |
| Gunned'h | b | 79 | 50 | 0 |
| C'n'mble | b | 76 | 79 | 0 |
| Kempsey . | . | — | — | . |
| Walcha.. | b | 66 | 30 | 0 |
| Tamw'rth | b | 72 | — | 0 |
| C'conab'n. | b | 70 | 41 | 0 |
| P. M'eqrie | b | 71 | 38 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 70 | 45 | 0 |
| Taree.. | b | 79 | 47 | 0 |
| Cassilis | b | 75 | 48 | 0 |
| Muss'br'k | b | 78 | 45 | 0 |
| Dubbo .. | b | 71 | 52 | 0 |
| Menindie. | b | 67 | 52 | 0 |
| Singleton | b | 78 | 52 | 0 |
| Nels'n's R | b | 77 | 47 | 0 |
| 13 63 | | | | |
| Mudg | b | 73 | 35 | 0 |
| Maitland. | b | 81 | 50 | 0 |
| Hill End. | b | | — | 0 |
| N'wcastle | b | 75 | 51 | 0 |
| Orange .. | b | 58 | 40 | 0 |
| Bathurst | b | 67 | 34 | 0 |
| Forbes .. | b | 73 | 43 | 0 |
| M. Vict'ria | b | 59 | 49 | 0 |
| Carcoar . | b | 64 | 33 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 67 | 51 | 0 |
| Picton .. | b | 67 | 41 | 0 |
| Sydney .. | b | 69 | 53 | 0 |
| Wentw'th | b | 67 | 49 | 0 |
| Young . | b | 68 | 35 | 0 |
| Woll'g'ng | b | 74 | 48 | 0 |
| Taralga.. | b | 58 | — | 0 |
| Hay .... | b | 67 | 35 | 0 |

| Stations. | WT | M. X | Mn | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 63 | 38 | 0 |
| Deniliquin. | b | 67 | 41 | 0 |
| Moruya .... | b | 64 | 44 | 0 |
| Kiandra... | b | 63 | 25 | 0·03 |
| Albury .... | b | 64 | 40 | 0 |
| Bodalla.. | b | — | 38 | 0 |
| Cooma .... | c | 61 | 41 | 0 |
| Eden ..... | b | 66 | 53 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 61 | 50 | 0 |
| Euston | b | 70 | 43 | 0 |
| G'lburn | b | 60 | 35 | 0 |
| Wagga. | b | 74 | 36 | 0 |
| C Geo' | b | 67 | 51 | 0 |

TIME BALL,
Drops at 1 p.m, SMT
or 2h.55m.9·19s,a.m,
Greenwich Mn. Time
Mag, Var, 9°35′30″ E

Barometers risen about 3 on E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 17 43·124
Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·29 S 71 *Curve showing state of Barometer.*

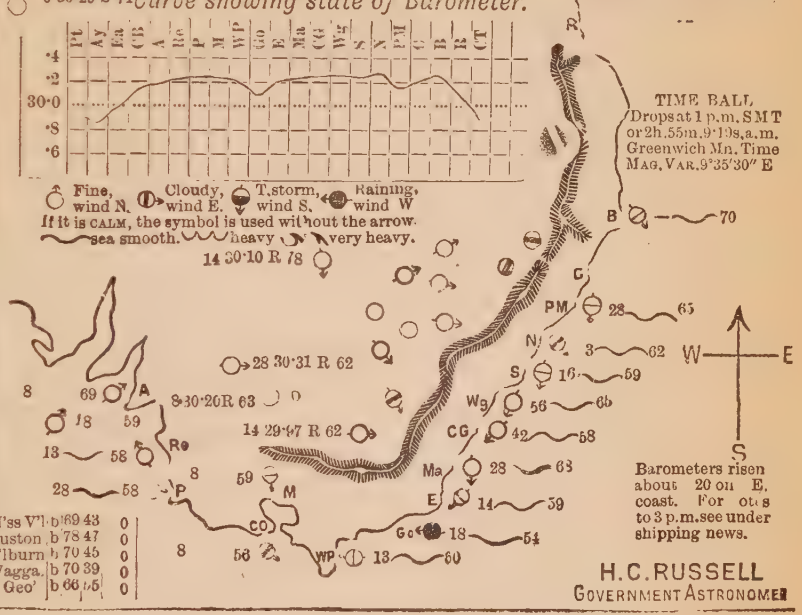



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

| STATIONS. | wt | m'x | v'n | R'in |
|---|---|---|---|---|
| Casino . | c | 80 | 59 | 0 |
| Tent'rfield | g | 80 | 50 | 0 |
| Clarence . | . | — | — | — |
| Moree .. | . | — | — | — |
| Grafton | b | 89 | 46 | 0 |
| Gl'n Inn's | g | 81 | 49 | 0 |
| Inverell. | b | 78 | 44 | 0 |
| Bourke | b | 84 | 60 | 0 |
| Narrabri . | b | 88 | 4 | 0 |
| Armidale. | g | 70 | — | 0 |
| Bendem'r | g | 82 | 32 | 0 |
| Gunned'h | c | 8 | 57 | 0 |
| C'n'mble | b | 73 | 54 | 0 |
| Kempsey . | . | — | — | — |
| Walcha.. | c | 69 | 41 | 0 |
| Tamw'rth | b | 75 | — | 0 |
| Coonab'n. | b | 78 | 45 | 0 |
| P. M'eqrie | c | 71 | 57 | 0 |
| W'lcannia . | . | — | — | — |
| Murr'ndi. | b | 72 | 50 | 0 |
| Taree. | c | 78 | 58 | 0 |
| Cassilis | c | 7 | 55 | 0 |
| Muss'br'k | b | 8 | 52 | 0 |
| Dubbo . | b | 72 | 55 | 0 |
| Menindie. | b | 74 | 56 | 0 |
| Singleton | g | 72 | 51 | 0 |
| Nels'n's R. | b | 70 | 56 | 0 |
| 13 69 Mudg | b | 76 | 44 | 0 |
| Maitland. | c | 77 | 56 | 0 |
| Hill End. . | . | — | — | — |
| N'wcastle | g | 69 | 55 | 0 |
| Orange .. | b | 62 | 41 | 0 |
| Bathurst | b | 67 | 41 | 0 |
| Forbes .. | b | 75 | 36 | 0 |
| M. Vict'ria | g | 70 | 47 | 0 |
| Carcoar . | b | 64 | 50 | 0 |
| Coud'b'lin . | . | — | — | — |
| Marsdens | b | 72 | 54 | 0 |
| Picton .. | c | 70 | 41 | 0 |
| Sydney .. | g | 68 | 57 | 0·01 |
| Wentw'th | b | 75 | 51 | 0 |
| Young . | b | 76 | 45 | 0 |
| Woll'g'ng | b | 71 | 52 | 0 |
| Taralga.. | b | 68 | — | 0 |
| Hay .... | b | 74 | 34 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'll | b | 69 | 43 | 0 |
| Euston | b | 78 | 47 | 0 |
| G'lburn | b | 70 | 45 | 0 |
| Wagga. | b | 70 | 39 | 0 |
| C Geo' | b | 66 | 55 | 0 |

| Stations. | WT | M.X | VN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 66 | 48 | 0·02 |
| Deniliquin. | b | 73 | 43 | 0 |
| Moruya .... | b | 68 | — | 0 |
| Kiandra.. | c | 71 | 52 | 0 |
| Albury ... | b | 71 | 44 | 0 |
| Bodalla.. | b | — | 40 | 0 |
| Cooma .. .. | c | 65 | 39 | 0 |
| Eden .. .. | g | 65 | 50 | 0 |




TIME BALL
Drops at 1 p.m. SMT
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 20 on E. coast. For others to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. NOV. 19 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

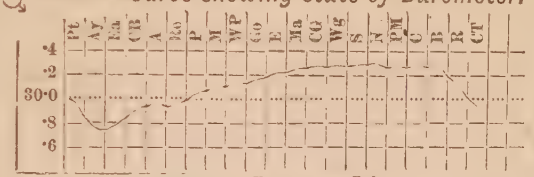
Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 19 43·137
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | c | 82 | 57 | 0 |
| Tent'rfield | g | 70 | 50 | 0·18 |
| Clarence . | b | 71 | 62 | 0 |
| Moree .. | p | — | — | 0·10 |
| Grafton .. | g | 84 | 43 | 0 |
| Gl'n Inn's | g | 82 | 47 | 0·07 |
| Inverell. | b | 78 | 45 | 0 |
| Bourke | b | 89 | 64 | 0 |
| Narrabri. | g | 82 | 42 | 0 |
| Armidale. | b | 67 | — | 0 |
| Bendem'r | g | 68 | 30 | 0 |
| Gunned'h | c | 80 | 59 | 0 |
| C'n'mble | b | 85 | 61 | 0 |
| Kempsey | . | — | — | |
| Walcha.. | b | 66 | 35 | 0 |
| Tamw'rth | b | 75 | — | 0 |
| Coonab'n. | b | 80 | 43 | 0 |
| P. M'cqrie | b | 71 | 52 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 71 | 51 | 0 |
| Taree.. | b | 75 | 55 | 0 |
| Cassilis | b | 75 | 48 | 0 |
| Muss'br'k | b | 78 | 50 | 0 |
| Dubbo . | b | 74 | 55 | 0 |
| Menindie. | b | 85 | 60 | 0 |
| Singleton | b | 74 | 52 | 0 |
| Nels'n's B' | b | 74 | 41 | 0 |
| 40 69 | | | | |
| Mudg | b | 82 | 43 | 0 |
| Maitland. | b | 74 | 51 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 70 | 55 | 0 |
| Orange .. | b | 63 | 43 | 0 |
| Bathurst | b | 73 | 40 | 0 |
| Forbes .. | b | [illegible] | 52 | 0 |
| M. Vict'ria | b | 82 | 53 | 0 |
| Carcoar . | b | 68 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 82 | 59 | 0 |
| Picton .. | c | 76 | 52 | 0 |
| Sydney .. | g | 68 | 53 | 0·01 |
| Wentw'th | b | 88 | 65 | 0 |
| Young . | b | 82 | 49 | 0 |
| Woll'g'ng | b | 73 | 51 | 0 |
| Taralga.. | b | 72 | — | 0 |
| Hay .... | b | 90 | 40 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 69 | 43 | 0 |
| Deniliquin. | b | 80 | 48 | 0 |
| Moruya .... | b | 65 | 45 | 0 |
| Kiandra.. | b | 71 | 37 | 0 |
| Albury ... | b | 81 | 49 | 0 |
| Bodalla.. | b | — | 38 | 0 |
| Cooma . .. | b | 72 | 38 | 0 |
| Eden .. .. | b | 68 | 47 | 0 |

8 30·10 F 83

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

42 30·03 F 77

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
Mag. Var. 9°35′30″ E

Barometers risen about 20 on S E coast. For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 63 | 51 | 0 |
| Euston | b | 88 | 54 | 0 |
| G'lburn | b | 56 | 51 | 0 |
| Wagga | b | 81 | 45 | 0 |
| C Geo' | g | 65 | — | 0 |

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 20 1883.

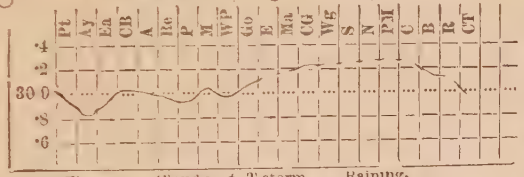
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 20 43·137

Barometers corrected to 32° Fah. and Mean Sea Level.

0 30·10 F 87 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

| Stations. | WT | M | X | m | R'in |
|---|---|---|---|---|---|
| Queanbe'an | b | 72 | 48 | 1·40 | |
| Deniliquin. | b | 91 | 62 | 0 | |
| Moruya .... | b | 66 | 51 | 0 | |
| Kiandra.. | b | 82 | 31 | 0 | |
| Albury ... | b | 84 | 53 | 0 | |
| Bodalla.. | b | — | 45 | 0 | |
| Cooma .... | b | 80 | 38 | 0·02 | |
| Eden .. | b | 65 | 55 | 0 | |

| STATIONS. | WT | M | X | m | R'in |
|---|---|---|---|---|---|
| Casino . | b | 80 | 55 | | 0 |
| Tent'rfield | b | 74 | 40 | | 0 |
| Clarence . | b | 76 | 51 | | 0 |
| Moree . | b | — | — | | 0 |
| Grafton . | b | 77 | 47 | | 0 |
| Glen Inn's | b | 67 | 50 | | 0 |
| Inverell. | b | 78 | 47 | | 0 |
| Bourke . | b | 59 | 39 | | 0 |
| Narrabri. | b | 90 | 50 | | 0 |
| Armidale. | b | 67 | — | | 0 |
| Bendem'r | b | 70 | 49 | | 0 |
| Gunned'h | c | 83 | 62 | | 0 |
| C'nimble | o | 87 | 60 | 0·86 | |
| Kempsey . | . | — | — | | — |
| Walcha.. | b | 70 | 38 | | 0 |
| Tamw'rth | b | 79 | — | | 0 |
| Coonabr'a.. | b | 81 | 49 | 0·09 | |
| P. M'Quarie | b | 71 | 53 | | 0 |
| Wilcannia . | . | — | — | | — |
| Mossgiel . | b | 78 | 51 | | 0 |
| Taree . | b | 74 | 54 | | 0 |
| Cassilis | b | 75 | 55 | | 0 |
| Muss'br'k | b | 81 | 51 | | 0 |
| Dubbo . | b | 79 | 51 | | 0 |
| Menindie. | b | 81 | 60 | | 0 |
| Singleton | b | 71 | 55 | | 0 |
| Nels'n's B't | . | — | — | | — |
| 23 66 | | | | | |
| Mudg | b | 63 | 48 | | 0 |
| Maitland. | b | 78 | 51 | | 0 |
| Hill End. | . | — | — | | — |
| N'weastle | b | 72 | 57 | | 0 |
| Orange .. | o | 73 | 48 | | 0 |
| Bathurst | t | 79 | 66 | | 0 |
| Forbes .. | b | 93 | 56 | | 0 |
| M. Vict'ria | b | 65 | 39 | | 0 |
| Carcoar . | b | 72 | 50 | | 0 |
| Cond'b'lin | . | — | — | | — |
| Marsdens | b | 84 | 53 | | 0 |
| Picton .. | c | 78 | 44 | | 0 |
| Sydney .. | b | 69 | 53 | | 0 |
| Wentw'th | b | 94 | 56 | | 0 |
| Young . | b | 87 | 53 | | 0 |
| Woll'g'ng | b | 75 | 49 | | 0 |
| Taralga.. | b | 75 | — | | 0 |
| Hay .. .. | b | 94 | 50 | | 0 |
| M'ss V'l | b | 70 | 45 | | 0 |
| Euston | g | 94 | 55 | | 0 |
| G'lburn | b | 78 | 42 | | 0 |
| Wagga. | b | 85 | 53 | | 0 |
| C Geo' | b | 68 | 55 | | 0 |

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 15 on S E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

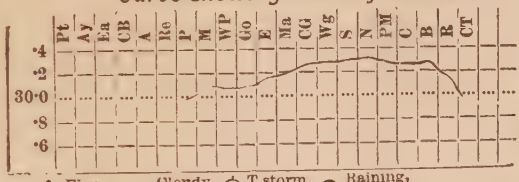
From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 21 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 ..... 40·985
Total Rainfall from Jan. 1st to November 21 ..... 43·137
Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

28 30·11 R 82

| STATIONS. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 94 | 44 | 0 |
| Tent'rfield | b | 78 | 44 | 0 |
| Clarence . | b | 73 | 58 | 0 |
| Moree .. | b | — | — | 0 |
| Grafton .. | b | 85 | 44 | 0 |
| Gl n Inn's | b | 69 | 43 | 0·17 |
| Inverell.. | b | 78 | 48 | 0·03 |
| Bourke | b | 89 | 63 | 0 |
| Narrabri. | b | 85 | 49 | 0 |
| Armidale. | b | 70 | — | 0 |
| Bendem'r | b | 68 | 46 | 0 |
| Gunned'h | c | 85 | 60 | 0 |
| C'n'mble | b | 85 | 61 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 86 | 37 | 0 |
| Tamw'rth | b | 81 | — | 0 |
| Coonab'n. | b | 83 | 43 | 0 |
| P. M'cqrie | b | 72 | 51 | 0 |
| W'lcannia | c | — | — | — |
| Murr'ndi. | b | 77 | 51 | 0 |
| Taree.. | b | 74 | 50 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 85 | 51 | 0 |
| Dubbo . | b | 85 | 34 | 0 |
| Menindie. | g | 93 | 76 | 0 |
| Singleton | b | 79 | 53 | 0 |
| Nels'n's P. | b | 75 | 51 | 0 |
| Mudg | b | 85 | 50 | 0 |
| Maitland. | b | 78 | 53 | 0 |
| Hill End. | . | — | — | 0·10 |
| N'wcastle | b | 72 | 57 | 0 |
| Orange .. | o | 74 | 51 | 0 |
| Bathurst | b | 80 | 47 | 0 |
| Forbes .. | g | 94 | 61 | 0 |
| M. Vict'ria | b | 77 | 64 | 0 |
| Carcoar . | b | 75 | 55 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 87 | 66 | 0 |
| Picton .. | c | 77 | 45 | 0 |
| Sydney .. | c | 70 | 55 | 0 |
| Wentw'th | g | 96 | 71 | 0 |
| Young . | b | 91 | 54 | 0 |
| Woll'g'ng | b | 75 | 49 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay .... | b | 95 | 54 | 0 |
| M'ss V'l | b | 76 | 46 | 0 |
| Euston | b | — | 72 | 0 |
| G'lburn | b | 83 | 45 | 0 |
| Wagga | b | 88 | 53 | 0 |
| C Geo' | b | 68 | 61 | 0 |

| Stations. | WT | M.X | m'n | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 74 | 53 | 0·02 |
| Deniliquin. | b | 94 | 60 | 0 |
| Moruya .... | b | 59 | 52 | 0 |
| Kiandra.. | b | 84 | 34 | 0 |
| Albury ... | b | 86 | 54 | 0 |
| Bodalla.. | b | — | 45 | 0 |
| Cooma .... | c | 82 | 45 | 0 |
| Eden .... | b | 68 | 55 | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 05 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 22 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct, 31 40·985
Total Rainfall from Jan, 1st to November 22 43·137

Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 88 | 43 | 0 |
| Tent'rfield | b | 80 | 45 | 0 |
| Clarence . | b | 73 | 59 | 0 |
| Moree .. | b | — | — | — |
| Grafton . | b | 89 | 46 | 0 |
| Gl'n Inn's | b | 85 | 42 | 0 |
| Inverell. | b | 78 | 42 | 0 |
| Bourke | b | 92 | 66 | 0 |
| Narrabri . | b | 80 | 50 | 0 |
| Armidale. | b | 73 | — | 0 |
| Bendem'r | b | 73 | 43 | 0 |
| Gunned'h | c | 87 | 62 | 0 |
| C'n'mble | b | 87 | 60 | 0 |
| Kempsey . | | — | — | |
| Walcha.. | b | 72 | 40 | 0 |
| Tamw'rth | b | 83 | — | 0 |
| Coonab'n. | b | 85 | 42 | 0 |
| P. M'cqrie | c | 74 | 52 | 0 |
| W'lcannia | b | — | — | — |
| Murr'ndi. | b | 75 | 50 | 0 |
| Taree. | b | 75 | 48 | 0 |
| Cassilis | b | 75 | 58 | 0 |
| Muss'br'k | b | 87 | 49 | 0 |
| Dubbo . | b | 85 | 33 | 0 |
| Menindie. | g | 91 | 75 | 0 |
| Singleton | b | 80 | 51 | 0 |
| Nels'n's B' | b | 70 | 52 | 0 |
| 18 65. | | | | |
| Mudg | b | 83 | 46 | 0 |
| Maitland. | b | 81 | 50 | 0 |
| Hill End. | . | | — | 0 |
| N'wcastle | b | 73 | 54 | 0 |
| Orange .. | b | 76 | 47 | 0 |
| Bathurst | b | 83 | 45 | 0 |
| Forbes .. | b | 98 | 57 | 0 |
| M. Vict'ria | b | 78 | 65 | 0 |
| Carcoar . | b | 76 | 55 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 78 | 65 | 0 |
| Picton .. | b | 79 | 44 | 0 |
| Sydney .. | b | 71 | 56 | 0 |
| Wentw'th | b | 90 | 70 | 0 |
| Young . | b | 92 | 53 | 0 |
| Woll'g'ng | b | 77 | 51 | 0 |
| Taralga.. | b | 78 | — | 0 |
| Hay .... | b | 93 | 55 | 0 |
| M'ss V'l | b | 78 | 43 | 0 |
| Euston | b | 95 | 69 | 0 |
| G'lburn | b | 84 | 44 | 0 |
| Wagga. | b | 93 | 54 | 0 |
| C Geo' | b | 65 | 62 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 78 | 55 | 0 |
| Deniliquin. | g | 97 | 62 | 0 |
| Moruya .... | b | 70 | 50 | 0 |
| Kiandra.. | b | 88 | 33 | 0 |
| Albury .... | g | 91 | 58 | 0 |
| Bodalla.. | b | — | 44 | 0 |
| Cooma .... | b | 85 | 44 | 0 |
| Eden .... | b | 69 | 55 | 0 |

8 30·03 F 92

*Curve showing state of Barometer.*

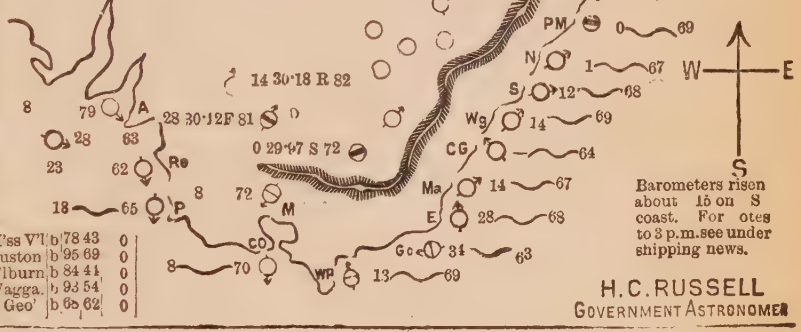
Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

*If* it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

— 30·12 R 82

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E




Barometers risen about 15 on S coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

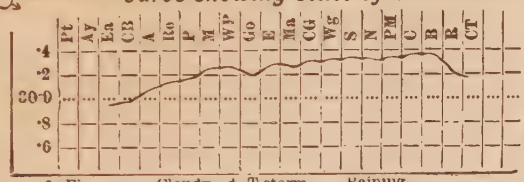
From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 23 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·31*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 23 43·137
Barometers corrected to 32° Fah. and Mean Sea Level.

13 30·08 R 92 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

0 30·14 R 87

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 76 | 47 | 0 |
| Tent'rfield | b | 72 | 44 | 0 |
| Clarence . | b | 87 | 45 | 0 |
| Moree .. | b | — | — | 0 |
| Grafton .. | b | 87 | 45 | 0 |
| Gl n Inn's | b | 90 | 43 | 0 |
| Inverell.. | b | 78 | 45 | 0 |
| Bourke .. | b | 95 | 66 | 0 |
| Narrabri . | b | 90 | 41 | 0 |
| Armidale. | b | 76 | — | 0 |
| Bendem'r | b | 72 | 40 | 0 |
| Gunned'h. | c | 90 | 61 | 0 |
| C'n'mble | b | 89 | 63 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | b | 75 | 35 | 0 |
| Tamw'rth | b | 88 | — | 0 |
| Coonab'n. | b | 88 | 43 | 0 |
| P. M'cquie | c | 76 | 51 | 0 |
| W'lcannia | b | — | — | — |
| Murr'ndi. | b | 75 | 50 | 0 |
| Taree.. | b | 74 | 48 | 0 |
| Cassilis | b | 78 | 54 | 0 |
| Muss'br'k | b | 81 | 53 | 0 |
| Dubbo .. | b | 87 | 64 | 0 |
| Menindie. | b | 98 | 72 | 0 |
| Singleton | b | 81 | 56 | 0 |
| Nels'n's R. | b | 72 | 56 | 0 |
| 8 64 Mudg | b | 92 | 48 | 0 |
| Maitland. | b | 80 | 52 | 0 |
| Hill End. | . | — | — | 0 |
| N'wcastle | b | 72 | 56 | 0 |
| Orange .. | b | 71 | 51 | 0 |
| Bathurst | b | 80 | 47 | 0 |
| Forbes .. | b | 99 | 58 | 0 |
| M.Vict'ria | b | 84 | 71 | 0 |
| Carcoar . | b | 79 | 60 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 92 | 67 | 0 |
| Picton .. | b | 82 | 48 | 0 |
| Sydney .. | b | 72 | 56 | 0 |
| Wentw'th | b | 101 | 70 | 0 |
| Young . | b | 96 | 60 | 0 |
| Woll'g'ng | b | 77 | 8 | 0 |
| Taralga.. | b | 81 | — | 0 |
| Hay .. .. | b | 83 | 51 | 0 |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 83 | 60 | 0 |
| Deniliquin. | b | 95 | 62 | 0 |
| Moruya .. .. | b | 70 | 65 | 0 |
| Kiandra.. | b | 94 | 41 | 0 |
| Albury .... | g | 88 | 60 | 0 |
| Bodalla.. | b | — | 50 | 0 |
| Cooma .... | b | 88 | 50 | 0 |
| Eden .. .. | b | 78 | 59 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 83 | 51 | 0 |
| Euston | b | — | 66 | 0 |
| G'lburn | b | 90 | 50 | 0 |
| Wagga. | b | 94 | 61 | 0 |
| C Geo' | b | 67 | 63 | 0 |

TIME BALL
Drops at 1 p.m. SMT
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 15 on E coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

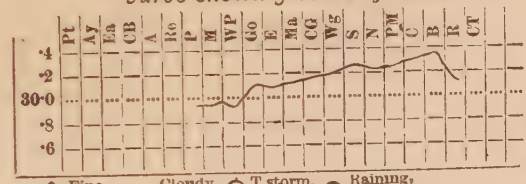
From Telegrams for 9 A.M. & 3 P.M. NOV. 24 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·935
Total Rainfall from Jan. 1st to November 24 43·137
Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

14 30·13 F 87

| Stations. | wt | M'x | M'n | R'in |
|---|---|---|---|---|
| Casino .. | g | 87 | 45 | 0 |
| [illegible]field | b | 80 | 48 | 0 |
| Clarence . | b | 76 | — | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | g | 85 | 43 | 0 |
| Gl'n Inn's | b | 85 | 46 | 0 |
| Inverell. | b | 79 | 34 | 0 |
| Bourke | b | 98 | 70 | 0 |
| Narrabri. | b | 92 | 56 | 0 |
| Armidale. | b | 75 | — | 0 |
| Bendem'r | b | 74 | 45 | 0 |
| Gunned'h | . | — | — | — |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 77 | 34 | 0 |
| Tamw'rth | b | 89 | — | 0 |
| Coonab'n. | b | 91 | 45 | 0 |
| P. M'cqrie | b | 78 | 55 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 82 | 54 | 0 |
| Taree.. | b | 79 | 53 | 0 |
| Cassilis | b | 83 | 62 | 0 |
| Muss'br'k | b | 90 | 51 | 0 |
| Dubbo . | b | 90 | 56 | 0 |
| Menindie. | b | 100 | 76 | 0 |
| Singleton | b | 83 | 58 | 0 |
| Nels'n's B' | b | 73 | 56 | 0 |
| Mudg | b | 95 | 51 | 0 |
| Maitland. | b | 81 | 55 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 74 | 58 | 0 |
| Orange .. | b | 79 | 54 | 0 |
| Bathurst | b | 86 | 45 | 0 |
| Forbes .. | b | 102 | 64 | 0 |
| M. Vict'ria | b | 80 | 73 | 0 |
| Carcoar . | b | 80 | 58 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 95 | 70 | 0 |
| Picton .. | c | 84 | 47 | 0 |
| Sydney .. | b | 73 | 58 | 0 |
| Wentw'th | g | 104 | 75 | 0 |
| Young . | b | 98 | 57 | 0 |
| Woll'g'ng | b | 79 | 49 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay — — | c | 103 | 62 | 0 |
| M'ss V'l | b | 83 | 54 | 0 |
| Euston | g | — | 74 | 0 |
| G'lburn | b | 90 | 49 | 0 |
| Wagga. | b | 95 | 67 | 0 |
| C Geo' | b | 70 | 69 | 0 |

| Stations | WT | M,x | M,n | R'in |
|---|---|---|---|---|
| Queanbeyan | b | 83 | 56 | 0 |
| Deniliquin. | b | 103 | 32 | 0 |
| Moruya .... | b | 69 | 54 | 0 |
| Kiandra... | c | 85 | 45 | 0 |
| Albury .... | g | 94 | 65 | 0 |
| Bodalla .. | b | — | 56 | c |
| Cooma .... | c | 86 | 43 | 0·05 |
| Eden .... | b | 80 | 63 | 0 |

TIME BALL,
Drops at 1 p.m. S M T
or 2h.55m.9·19s, a.m.
Greenwich Mn. Time
Mag, Var. 9°35′30″ E

Barometers fallen about 10 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
Government Astronomer

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

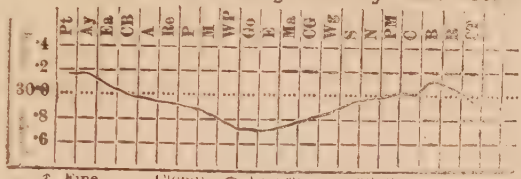
Average Annual Rainfall for 24 years ..... ....

Average for 25 years from Jan. 1st to Oct. 31 ....

Total Rainfall from Jan, 1st to November 26 ....

Barometers corrected to 32° Fah. and Mean Sea Level.

*Curve showing state of Barometer*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

*If it is* CALM, *the symbol is used without the arrow*

sea smooth. heavy very heavy.

28 29·92 F 97

28 30·02 E 78

28 29·94 F 79

0 29·71 F 74

TIME BALL,
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′39″ E

Barometers fallen about .10 on E coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT-ASTRONOMER

| STATIONS. | wt | w's | va | a'in |
|---|---|---|---|---|
| Casino . | b | 94 | 48 | 0 |
| Tent'rfield | b | 83 | 46 | 0 |
| Clarence . | f | 76 | 65 | 0 |
| Moree .. | . | — | — | — |
| Grafton . | b | | | |
| Gl n Inn's | | | | |
| Inverell. | | | | |
| | | | | |
| | | | | |
| | | | | |
| Gunnad'l | | | | |
| C'n'mble | | | | |
| Kempsey | . | | | |
| Walcha.. | g | | | |
| Tamw'rth | | | | |
| Coonab'n. | g | | | |
| P. M'eqrie | b | | | |
| Wiseman's | | | | |
| | | | | |
| Taree.. | b | | | |
| Cassilis | | | | |
| Muss'br'k | b | | | |
| Dubbo . | b | | | |
| Menindie. | b | | 76 | 0 |
| Singleton | | | | 0 |
| Nels'n's B | b | | | 0 |
| 18 68 | | | | |
| Mudg | g | 96 | 52 | 0 |
| Maitland. | b | 89 | 59 | 0 |
| Hill End. | . | — | — | — |
| N'weastle | b | 75 | 62 | 0 |
| Orange .. | g | 84 | 57 | 0 |
| Bathurst | | 89 | 58 | 0 |
| Forbes .. | g | 101 | 66 | 0 |
| M.Vict'ria | b | 93 | 74 | 0 |
| Carcoar . | g | 92 | 60 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | | 95 | 71 | 0 |
| Picton .. | b | 85 | 56 | 0·05 |
| Sydney .. | b | 78 | 64 | 0 |
| Wentw'th | c | 103 | 70 | 0 |
| Young . | g | 92 | 61 | 0 |
| Woll'g'ng | b | 83 | 60 | 0 |
| Taralga.. | . | — | — | — |
| Hay .... | c | 104 | 54 | 0·03 |

| Stations. | WT | M | X | va | a'in |
|---|---|---|---|---|---|
| Queanbe'an | g | 85 | 59 | | 0 |
| Deniliquin. | c | 103 | 65 | | 0 |
| [illegible] | | | | | |
| [illegible] | c | 90 | 45 | | 0 |
| [illegible] | b | [illegible] | | | 0 |
| [illegible] | | | | | |
| [illegible] | c | 87 | 59 | 0 | 06 |
| [illegible] | | [illegible] | | | |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 88 | 54 | 0·13 |
| Euston | b | — | 67 | 0·09 |
| G'lburn | b | 90 | 52 | 0 |
| Wagga. | g | 99 | 65 | 0 |
| C Geo' | g | — | — | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 27 1883.

Sydney Observatory.

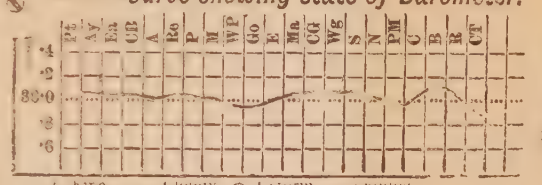
*Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·935
Total Rainfall from Jan. 1st to November 27 43·137
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | b | 95 | 67 | 0 |
| Tent'rfield | b | 92 | 57 | 0 |
| Clarence . | b | 78 | 55 | 0 |
| Moree .. | . | — | — | — |
| Grafton .. | b | 90 | 50 | 0 |
| Gl'n Inn's | b | 86 | 55 | 0·11 |
| Inverell. | b | 88 | 60 | 0·15 |
| Bourke . | b | 108 | 70 | 0 |
| Narrabri. | b | 101 | 58 | 0 |
| Armidale. | . | — | — | — |
| Bendem'r | b | 74 | 57 | 0·16 |
| Gunned'h | c | 95 | 70 | 0·07 |
| C'n'mble | b | 103 | 74 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 83 | 50 | 0·15 |
| Tam'w'rth | b | 98 | — | 0·24 |
| Coonab'n. | b | 90 | 52 | 0 |
| P. M'cqrie | b | 72 | 62 | 0 |
| W'leannia | . | — | — | — |
| Murr'ndi. | b | 88 | 58 | 0 |
| Taree. | c | 86 | 62 | 0 |
| Cassilis | c | 89 | 72 | 0 |
| Muss'br'k | b | 103 | 68 | 0·30 |
| Dubbo . | b | 95 | 73 | 0 |
| Menindie. | b | 96 | 72 | 0 |
| Singleton | b | 94 | 71 | 0 |
| Nels'n's B. | g | 74 | 62 | 0 |
| 0 65 | | | | |
| Mudg | . | — | — | — |
| Maitland. | b | 93 | 68 | 0·01 |
| Hill End. | . | | — | 0·02 |
| N'wcastle | c | 77 | 59 | 0 |
| Orange .. | g | 83 | 62 | 0 |
| Bathurst | b | 88 | 60 | 0·19 |
| Forbes .. | b | 99 | 68 | 0·03 |
| M. Vict'ria | g | 80 | 64 | 0·07 |
| Carcoar . | g | 87 | 63 | 0·03 |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | 93 | 70 | 0 |
| Picton .. | d | 89 | 55 | 0·03 |
| Sydney .. | g | 78 | 64 | 0 |
| Wentw'th | b | 84 | 68 | 0 |
| Young . | b | 95 | 64 | 0 |
| Woll'g'ng | c | 79 | 61 | 0 |
| Taralga.. | . | — | — | — |
| Hay .. .. | b | 81 | 49 | 0 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Queanbe'an | l | 83 | 62 | 0 |
| Deniliquin | b | 82 | 58 | 0 |
| Moruya .. | g | 72 | 61 | 0 |
| Kiandra.. | b | 93 | 39 | 0 |
| Albury ... | b | 92 | 57 | 0 |
| Bodalla.. | b | — | 54 | 0 |
| Cooma .... | g | 85 | 50 | 0·04 |
| Eden .. | g | 63 | 60 | 0 |

## Curve showing state of Barometer.




Fine, wind N. Cloudy, wind E. T.Storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

Barometers risen about 10 on E coast. For obs to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 a.m. & 3 p.m. NOV. 28 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ S.; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ........ 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 28 13·137

Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| Casino .. | b | 100 | 54 | 0 |
| Tent'rfield | b | 92 | 50 | 0 |
| Clarence . | b | 78 | 66 | 0 |
| Moree .. | b | 94 | 50 | — |
| Grafton . | b | 94 | 59 | 0 |
| Gl'n Inn's | b | 83 | 54 | 0 |
| [illegible]rell . | [illegible] | [illegible] | [illegible] | 0 |
| Bourke | [illegible] | [illegible] | 78 | 0 |
| Narrabri . | b | 97 | 52 | 0·46 |
| Armidale | [illegible] | [illegible] | — | 0·59 |
| Bendem'r | g | 76 | 47 | 1·15 |
| Gunned'h | c | 96 | 68 | 0·60 |
| C'n'mble | b | 102 | 70 | 0 |
| Kempsey | . | — | — | |
| [illegible]ena.. | g | 76 | 55 | 0·05 |
| [illegible] | [illegible] | [illegible] | — | [illegible] |
| [illegible] | [illegible] | [illegible] | 71 | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] | . | — | — | — |
| Scarr[illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Taree.. | b | 84 | 66 | 0·07 |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 62 | [illegible] |
| Dub[illegible] . | [illegible] | [illegible] | 72 | 0 |
| M[illegible] | [illegible] | [illegible] | 72 | 0 |
| Singleton | . | — | — | — |
| Nels'n's B' | b | 77 | 63 | 0 |
| Mud[illegible] | [illegible] | 83 | 60 | 0 |
| Maitland. | b | 83 | 65 | 0 |
| [illegible] | [illegible] | | — | 0·09 |
| [illegible] | b | [illegible] | [illegible] | 0 |
| Orange .. | b | 82 | 61 | 0 |
| Bathurst | [illegible] | [illegible] | [illegible] | 0 |
| Forbes | [illegible] | [illegible] | [illegible] | 0·03 |
| M. Vict[illegible] | b | [illegible] | 67 | 0 |
| Carcoar . | g | 78 | 62 | 0·10 |
| C[illegible] | . | — | — | — |
| M[illegible] | [illegible] | [illegible] | 75 | 0 |
| [illegible]ton | [illegible] | [illegible] | 51 | 0·[illegible] |
| Sydney . | [illegible] | [illegible] | [illegible] | 0 |
| Went'w'th | [illegible] | 92 | [illegible] | 0 |
| Young . | g | 90 | 65 | 0·31 |
| Woll'g'ng | c | 92 | 62 | 0 |
| Tarago | [illegible] | [illegible] | [illegible] | 0·07 |
| Hay .... | [illegible] | [illegible] | [illegible] | 0 |

| Stations. | WT | M'X | M'N | R'in |
|---|---|---|---|---|
| M'ss V'l[illegible] | [illegible] | [illegible] | 77 | 0 |
| Euston | g | [illegible] | 64 | 0 |
| G'lburn | g | 86 | 59 | 0·15 |
| Wagga | [illegible] | [illegible] | [illegible] | 0 |
| [illegible] Geo | [illegible] | [illegible] | 67 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 85 | 63 | 0·12 |
| Deniliquin. | b | 93 | 65 | 0 |
| Moruya .... | g | 69 | 59 | 0 |
| Kiandra.. | r | 84 | 67 | 0·11 |
| Albury ... | b | 91 | 60 | 0 |
| Bodalla.. | g | — | 58 | 0 |
| Cooma .... | c | 83 | 51 | 0 |
| Eden . .. | g | 65 | 59 | 0 |

*Curve showing state of Barometer.*

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 29 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years . . . . . 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
Total Rainfall from Jan. 1st to November 29 44·707
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 78 | 64 | 0·18 |
| Deniliquin. | b | 97 | 55 | 0·07 |
| Moruya .. . | g | 84 | 59 | 0·06 |
| Kiandra .. | c | 67 | 43 | 0·28 |
| Albury ... | g | 91 | 63 | 1·00 |
| Bodalla . | g | — | 58 | 0·28 |
| Cooma ... | g | 85 | 51 | 0·15 |
| Eden . .. | p | 71 | 50 | 0·18 |

| STATIONS. | WT | M'X | MN | R'in |
|---|---|---|---|---|
| Casino . | b | 99 | 52 | 0 |
| Tent'rfield | b | 92 | [illegible] | 0 |
| Clarence . | b | 79 | [illegible] | 0 |
| Morse . | [illegible] | 92 | [illegible] | - |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| Gl'n Inn's | b | 82 | 57 | [illegible] |
| Inverell. | b | 84 | 50 | 0 |
| Bourke | c | 107 | 78 | 0 |
| Narrabri . | g | 97 | 53 | 0 |
| Armidale. | b | 81 | — | 0·24 |
| Bendem'r. | r | [illegible] | [illegible] | [illegible] |
| Gunned'h. | c | [illegible] | [illegible] | [illegible] |
| C'n'mble | b | [illegible] | [illegible] | [illegible] |
| Kempsey . | . | — | — | [illegible] |
| Walcha.. | g | 80 | 53 | 0 |
| Tamw'rth | . | - | [illegible] | [illegible] |
| Coonab'n. | g | [illegible] | [illegible] | [illegible] |
| P. M'cqrie | [illegible] | 76 | 64 | 0·05 |
| W'lcannia | . | [illegible] | [illegible] | [illegible] |
| [illegible] | c | 86 | 68 | 0·07 |
| [illegible] | b | 99 | 67 | 0 |
| Cassilis | [illegible] | 95 | 63 | 0·15 |
| [illegible] | [illegible] | 98 | 62 | 0·98 |
| [illegible] | [illegible] | 94 | 73 | 0 |
| [illegible] | [illegible] | 95 | 66 | 0 |
| Singleton | b | 93 | 68 | 0 |
| Nels'n's B' | g | 72 | 62 | 0·60 |
| Mudg | [illegible] | 93 | 63 | 0 |
| [illegible] | [illegible] | 94 | 67 | 1·10 |
| Hill End. | p | [illegible] | — | [illegible] |
| N'wcastle | g | [illegible] | [illegible] | [illegible] |
| Orange .. | r | 86 | 63 | 0·17 |
| Bathurst | r | 88 | 62 | 0·06 |
| Forbes .. | g | 94 | 66 | 0·82 |
| M. Vict'ria | g | 82 | 61 | 1·20 |
| Carcoar . | g | 80 | 60 | 1·50 |
| Cond'b'lin | . | — | — | |
| Marsdens | [illegible] | 90 | 72 | 0·88 |
| Picton .. | d | 84 | 57 | 0·91 |
| Sydney .. | g | 81 | 64 | 1·57 |
| Wentw'th | b | 79 | 53 | 0·30 |
| Young . | p | 83 | 63 | 0·25 |
| Woll'g'ng | c | 79 | 62 | 0·48 |
| Taralga.. | r | 80 | — | 0·90 |
| Hay .... | b | 75 | 47 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | r | 80 | 59 | 0·53 |
| Euston | b | 85 | 54 | 0·02 |
| G'lburn | b | 84 | 59 | 0·41 |
| Wagga. | c | 85 | 58 | 0 |
| C Geo' | p | 74 | 60 | 0·28 |

## *Curve showing state of Barometer.*

Fine, wind N. Rain, wind E. Thunderstorm, wind S. Rainfall, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

Barometers risen about 15 on S coast. For others to 3 p.m. see under shipping news.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. NOV. 30 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

**Average** Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to Oct. 31 40·985
**Total** Rainfall from Jan. 1st to November 30 44·727
Barometers corrected to 32° Fah. and Mean Sea Level.

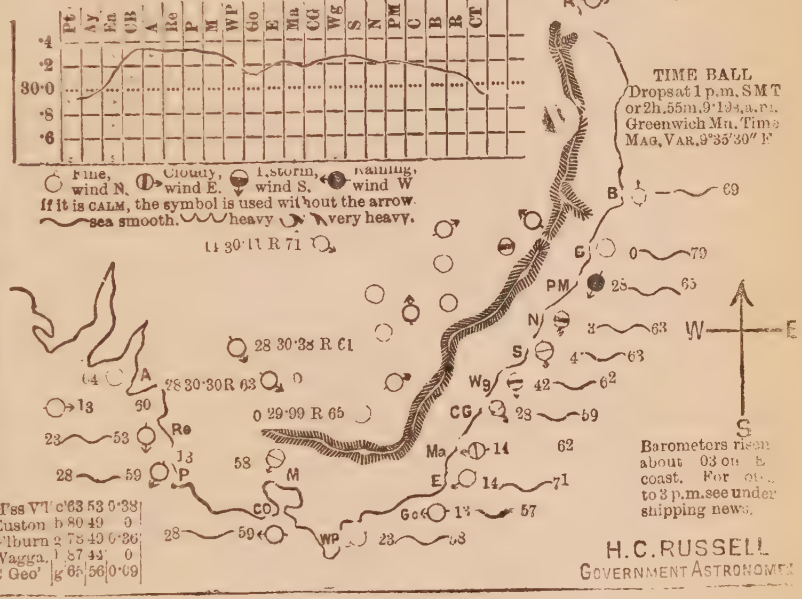
| STATIONS. | wt | M'x | Mn | R'fall |
|---|---|---|---|---|
| Casino .. | b | 100 | 57 | 0 |
| Tent'rfield | g | 95 | 55 | 0 |
| Clarence . | b | 78 | 66 | 0 |
| Moree .. | b | 93 | 68 | 0·27 |
| Grafton .. | c | 91 | 52 | 0 |
| Glen Inn's | g | 85 | 56 | 0·79 |
| Inverell. | b | 85 | 53 | 0·48 |
| Bourke . | b | 100 | 68 | 0·14 |
| Narrabri . | b | 91 | 55 | 0·27 |
| Armidale. | c | 80 | — | 0·16 |
| Bendem'r | b | 72 | 46 | 0·63 |
| Gunned'h | c | 88 | 65 | 0·11 |
| C'n'mble | b | 94 | 65 | 0·16 |
| Kempsey . | | — | — | |
| Walcha.. | g | 75 | 53 | 0·69 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | g | 86 | 60 | 0·12 |
| P. M'cquie | r | 78 | 65 | 0·52 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | c | 75 | 60 | 0·80 |
| Taree .. | r | 85 | 64 | 0·51 |
| Cassilis | g | 68 | 62 | 0 |
| Muss'br'k | g | 87 | 60 | 0·22 |
| Dubbo .. | b | 76 | 66 | 0·17 |
| Menindie. | c | 81 | 60 | 0 |
| Singleton | g | 84 | 63 | 0·26 |
| Nels'n's P. | r | 82 | 61 | 0·32 |
| Mudg | g | 74 | 57 | 0 |
| Maitland. | g | 84 | 61 | 0·13 |
| Hill End. | c | | — | 0·81 |
| N'wcastle | g | 79 | 58 | 0·30 |
| Orange .. | b | 69 | 52 | 0·18 |
| Bathurst | b | 74 | 54 | 0·41 |
| Forbes .. | b | 92 | 54 | 0 |
| M. Vict'ria | g | 63 | 53 | 0·45 |
| Carcoar . | b | 72 | 55 | 0·25 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 79 | 60 | 0 |
| Picton .. | g | 78 | 56 | 0·24 |
| Sydney .. | g | 74 | 60 | 0·20 |
| Wentw'th | b | 77 | 51 | 0 |
| Young . | b | 83 | 49 | 0 |
| Woll'g'ng | c | 76 | 53 | 0·90 |
| Taralga.. | r | 69 | — | 0·38 |
| Hay .... | b | 80 | 39 | 0 |
| M'ss V'l | c | 63 | 53 | 0·38 |
| Euston | b | 80 | 49 | 0 |
| G'lburn | g | 78 | 49 | 0·36 |
| Wagga. | | 87 | 44 | 0 |
| C Geo' | g | 65 | 56 | 0·09 |

| Stations. | WT | M,X | Mn | R fall |
|---|---|---|---|---|
| Queanbe'an | b | 79 | 57 | . |
| Deniliquin. | b | 79 | 47 | 0 |
| Moruya .. | g | — | — | |
| Kiandra.. | b | 71 | 35 | 0 |
| Albury .. | b | 81 | 43 | 0 |
| Bodalla.. | g | — | 51 | 0·99 |
| Cooma .. | g | 79 | 43 | 0 |
| Eden .. .. | b | 71 | 52 | 0 |

## Curve showing state of Barometer.




Fine, wind N. Cloudy, wind E. Storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.




Barometers risen about 03 on the coast. For other parts to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 1 1888.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 1 44·757
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS. | wt | m'x | v'm | R'in |
|---|---|---|---|---|
| Casino .. | c | 91 | 23 | 0·17 |
| Tent'rfield | g | 73 | 55 | 0 |
| Clarence . | g | 78 | 66 | 0 |
| Moree .. | b | 85 | 60 | 0 |
| Grafton .. | g | 75 | 40 | 0 |
| Gl n Inn's | g | 73 | 50 | 0·02 |
| Inverell. | b | 84 | 59 | 0 |
| Bourke .. | b | 91 | 65 | 0 |
| Narrabri . | b | 88 | 60 | 0 |
| Armidale. | b | 72 | -- | 0 |
| Bendem'r | b | 69 | 42 | 0 |
| Gunned'h . | — | — | — | — |
| C'n'mble | b | 87 | 63 | 0 |
| Kempsey . | — | — | — | — |
| Walcha.. | g | 70 | 50 | 0·01 |
| Tamw'rth | b | 83 | — | 0 |
| Coonab'n. | b | 87 | 53 | 0 |
| P. M'cqrie | c | 70 | 62 | 0 |
| W'lcannia . | — | — | — | — |
| Murr'ndi . | g | 75 | 63 | 0 |
| Tarc .. | b | 89 | 60 | 0 |
| Cassilis | b | 73 | 63 | 0 |
| Muss'br'k | b | 78 | 60 | 0 |
| Dubbo . | b | 85 | 64 | 0 |
| Menindie. | b | 82 | 60 | 0 |
| Singleton | g | 71 | 62 | 0 |
| Nels'n's B' | g | 72 | 59 | 0 |
| 18 28 Mudg | g | 85 | 56 | 0 |
| Maitland. | g | 76 | 59 | 0 |
| Hill End. . | — | — | — | — |
| N'wcastle | g | 68 | 60 | 0 |
| Orange .. | b | 70 | 52 | 0 |
| Bathurst | b | 80 | 53 | 0 |
| Forbes .. | b | 84 | 54 | 0 |
| M. Vict'ria | c | 66 | 49 | 0 |
| Carcoar . | b | 75 | 55 | 0 |
| Cond'b'lin . | — | — | — | — |
| Marsdens | b | 82 | 61 | 0 |
| Picton .. | g | 65 | 36 | 0·15 |
| Sydney .. | g | 64 | 58 | 0·03 |
| Wentw'th | b | 81 | 53 | 0 |
| Young . | b | 85 | 52 | 0 |
| Woll'g'ng | c | 69 | 54 | 0·15 |
| Taralga.. | g | 75 | — | 0 |
| Hay .... | b | 81 | 43 | 0 |

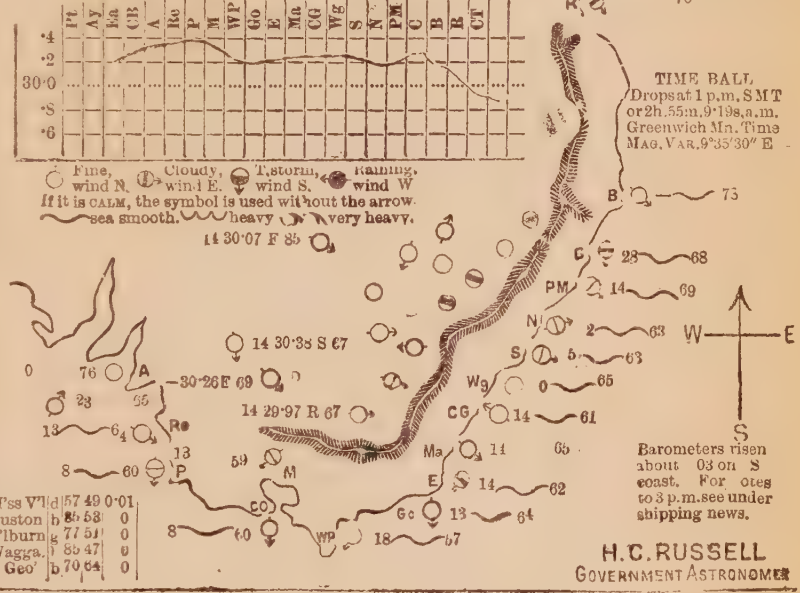
| Stations. | WT | M,x | vm | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 75·54 | | 0 |
| Deniliquin. | b | 81·53 | | 0 |
| Moruya .. | b | 68·96 | | 0 |
| Kiandra... | c | 73·37 | | 0 |
| Albury ... | b | 82·52 | | 0 |
| Bodalla.. | b | —·50 | | 0 |
| Cooma .... | c | 76·46 | | 0 |
| Eden .. .. | g | 74·56 | | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'll'd | b | 57 | 49 | 0·01 |
| Euston | b | 86 | 53 | 0 |
| G'lburn | g | 77 | 51 | 0 |
| Wagga. | b | 85 | 47 | 0 |
| C Geo' | b | 70 | 64 | 0 |

## Curve showing state of Barometer.




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.




Barometers risen about 03 on S coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 3 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·40.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 3 44·764
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | MN | R'IN |
|---|---|---|---|---|
| Queanbe'an | b | 79 57 | | 0 |
| Deniliquin. | b | 91 50 | | 0 |
| Moruya .. .. | c | 72 98 | | 0 |
| Kiandra.. | b | 77 35 | | 0 |
| Albury ... | b | 84 51 | | 0 |
| Bodalla'., | g | — 47 | | 0 |
| Cooma .... | c | 84 51 | | 0 |
| Eden .. .. | l | 73 57 | | 0 |

| Stations. | WT | M.X | MN | R'IN |
|---|---|---|---|---|
| Casino . | b | 83 55 | | 0 |
| Tent'rfield | b | 85 52 | | 0·18 |
| Clarence . | b | 75 65 | | 0 |
| Moree . | [illegible] | 89 67 | | 0 |
| [illegible] | [illegible] | [illegible] 45 | | 0 |
| [illegible] | [illegible] | [illegible] 54 | | 0·56 |
| [illegible] | [illegible] | [illegible] | | 0 |
| [illegible] | [illegible] | 99 72 | | 0 |
| [illegible] | [illegible] | 91 47 | | 0 |
| [illegible] | [illegible] | 76 — | | 0 |
| Bendem'r | b | 74 51 | | 0 |
| Gunned'h | g | 89 60 | | 0 |
| C'nimble | b | 92 [illegible] | | 0 |
| Kempsey | . | — | | — |
| Walcha.. | [illegible] | 76 [illegible] | | 0 |
| Tamw'rth | b | 85 — | | 0 |
| Coonab'n. | b | 90 [illegible] | | 0 |
| P. M'cqrie | b | 74 [illegible] | | 0 |
| Wilcannia | . | — | | — |
| Murr'ndi . | b | 79 57 | | 0 |
| Taree. | b | 77 55 | | 0 |
| Cassilis | b | 86 7[illegible] | | 0 |
| Muss br'k | b | 88 60 | | 0 |
| Dubbo . | b | 85 62 | | 0 |
| Menindie. | b | 91 66 | | 0 |
| Singleton | b | [illegible] | | 0 |
| Nels'n's B. | b | 7[illegible] 56 | | 0 |
| 13 85 Mudg | b | 90 51 | | 0 |
| Maitland. | b | 82 59 | | 0 |
| Hill End. | . | — | | — |
| N'weastle | l | 72 60 | | 0 |
| Orange .. | b | 76 44 | | 0 |
| Bathurst | b | 74 47 | | 0 |
| Forbes .. | b | 89 59 | | 0 |
| M. Viet'ria | b | 80 62 | | 0·10 |
| Carcoar . | b | 79 [illegible] | | 0 |
| Cond't'lin | . | — | | — |
| Marsdens | b | 87 [illegible] | | 0 |
| Picton .. | g | 80 5[illegible] | | 0 |
| Sydney . | c | [illegible] | | 0·07 |
| Wentw'th | b | 85 [illegible] | | 0 |
| Young . | b | 91 56 | | 0 |
| Woll'g'ng | g | 69 54 | | 0 |
| Taralga.. | b | 77 — | | 0 |
| Hay .... | b | 91 42 | | 0 |

| Stations. | WT | M.X | MN | R'IN |
|---|---|---|---|---|
| M'ss V'l'g | | 75 53 | | 0 |
| Euston | b | 94 56 | | 0 |
| G'lburn | l | 82 50 | | 0 |
| Wagga. | b | 91 50 | | 0 |
| C Geo' | g | 69 59 | | 0 |

0 30 1[illegible] F s *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. wind S. wind W
If it is CALM, the symbol is used without the arrow
sea smooth. heavy very heavy.

TIME BALL
Drops at 1 p.m. S.M.T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 20 on E coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. DEC. 4 1883.

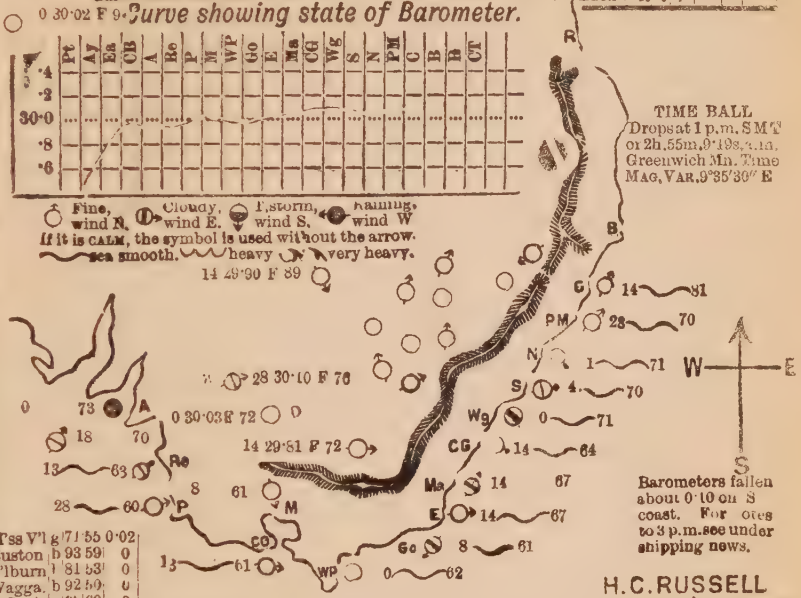
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average** Annual Rainfall for 24 years ..... .... 50·640.
**Average** for 25 years from Jan. 1st to November 30 51·342.
**Total** Rainfall from Jan. 1st to December 4 44·764
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 97 | 63 | 0·30 |
| Tent'rfield | g | 88 | 60 | 0·30 |
| Clarence . | b | 75 | 66 | 0 |
| Moree .. | b | 92 | 68 | 0·03 |
| Grafton .. | b | 93 | 47 | 0·24 |
| Gl'n Inn's | b | 83 | 57 | 0·21 |
| Inverell. | b | 84 | 57 | 0·08 |
| Bourke . | b | 103 | 72 | 0 |
| Narrabri . | b | 92 | 56 | 0 |
| Armidale. | b | 77 | — | 0·23 |
| Bendem'r | b | 82 | 55 | 0·53 |
| Gunned'h | c | 89 | — | 0 |
| C'n'mble | b | 97 | 66 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 79 | 46 | 0 |
| Tamw'rth | b | 87 | — | 0 |
| Coonab'n. | b | 92 | 51 | 0 |
| P. M'cqrie | o | 75 | 61 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 82 | 55 | 0 |
| Taree .. | b | 80 | 63 | 0 |
| Cassilis | b | 86 | 68 | 0 |
| Muss'br'k | b | 91 | 64 | 0 |
| Dubbo .. | b | 91 | 64 | 0 |
| Menindie. | g | 95 | 73 | 0 |
| Singleton | b | 83 | 68 | 0 |
| Nels'n's B' | b | 77 | 65 | 0 |
| 23 98 Mudg | b | 92 | 59 | 0 |
| Maitland. | b | 85 | 65 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 74 | 65 | ● |
| Orange .. | b | 85 | 56 | 0 |
| Bathurst | b | 85 | 52 | 0 |
| Forbes .. | b | 94 | 63 | ● |
| M. Vict'ria | g | 72 | 55 | 0 |
| Carcoar . | b | 79 | 50 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 90 | 68 | 0 |
| Picton .. | g | 77 | 66 | 0·01 |
| Sydney .. | c | 72 | 60 | 0 |
| Wentw'th | c | 95 | 65 | 0 |
| Young . | b | 95 | 57 | 0 |
| Woll'g'ng | g | 78 | 57 | 0·10 |
| Taralga.. | b | 78 | — | 0 |
| Hay .. .. | b | 91 | 45 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | g | 80 | 59 | 0 |
| Deniliquin. | b | 90 | 50 | 0 |
| Moruya .. .. | g | 65 | 57 | 0 |
| Kiandra .. | b | 80 | 42 | 0 |
| Albury .. .. | b | 90 | 53 | 0 |
| Bodalla.. | b | — | 52 | 0 |
| Cooma .... | c | 87 | 45 | 0 |
| Eden .. .. | . | — | — | |




| | | | | |
|---|---|---|---|---|
| M'ss V'l | g | 71 | 55 | 0·02 |
| Euston | b | 93 | 59 | 0 |
| G'lburn | b | 81 | 53 | 0 |
| Wagga. | b | 92 | 50 | 0 |
| C Geo' | g | 66 | 60 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 5 1883.

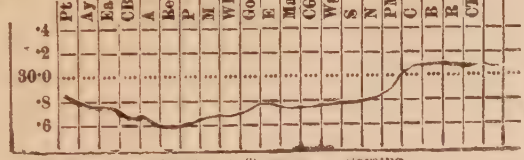
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·40.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 5 44·771
Barometers corrected to 32° Fah. and Mean Sea Level.

13 30·00 S 92

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 29·82 F 85

CLOUDY GENERALLY.

14 29·94 F 88

0 29·83 F 90

0 29·68 F 79

84

TIME BALL
Drops at 1 p.m, S M T
or 2h 55m G.M.T.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·21 on S.E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL.
GOVERNMENT ASTRONOMER.

| STATIONS. | wt | m'x | m'n | R'fall |
|---|---|---|---|---|
| Casino .. | b | 95 | 63 | 0·09 |
| Dent'rfield | r | 86 | 56 | 0·75 |
| Clarence .. | r | 77 | 68 | 0 |
| Moree .. | b | 94 | 72 | 0 |
| Grafton .. | r | 91 | 48 | 0·73 |
| Gl'n Inn's | r | 89 | 58 | 0·85 |
| Inverell. | b | 86 | 52 | 0·38 |
| Bourke .. | u | 108 | 80 | 0 |
| Narrabri. | b | 98 | 52 | 0·06 |
| Armidale. | c | 81 | — | 0·95 |
| Bendem'r | b | 83 | 51 | 0·18 |
| Gunned'h | b | 93 | — | 0·10 |
| C'n'mble | b | 99 | 70 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 80 | 56 | 0·18 |
| Tamw'rth | b | 92 | — | 0·13 |
| Coonab'n. | b | 95 | 60 | 0 |
| P. M'cqrie | g | 69 | 55 | 0·10 |
| W'lcannia | . | — | — | — |
| Murr'ndi. | b | 87 | 70 | 0 |
| Taree.. | b | 86 | 70 | 0 |
| Cassilis | b | 88 | 52 | 0 |
| Muss'br'k | b | 94 | 69 | 0·04 |
| Dubbo .. | b | 95 | 70 | 0 |
| Menindie. | c | 93 | 71 | 0 |
| Singleton | b | 86 | 70 | 0 |
| Nels'n's B | b | 75 | 65 | 0·13 |
| 28 71 | | | | |
| Mudg | b | 94 | 65 | 0 |
| Maitland. | b | 88 | 68 | 0·14 |
| Hill End. | . | — | — | — |
| N'weastle | b | 77 | 66 | 0 |
| Orange .. | b | 90 | 62 | 0 |
| Bathurst | g | 89 | 51 | 0 |
| Forbes .. | b | 97 | 71 | 0 |
| M.Vict'ria | b | 81 | 72 | 0 |
| Carcoar . | g | 80 | 66 | 0 |
| Cond'o'lin | . | — | — | — |
| Marsdens | b | 92 | 75 | 0 |
| Picton .. | b | 81 | 64 | 0 |
| Sydney .. | b | 77 | 66 | 0·01 |
| Wentw'th | c | 91 | 64 | 0 |
| Young .. | g | 95 | 69 | 0 |
| Woll'g'ng | b | 81 | 63 | 0 |
| Taralga.. | b | 81 | — | 0 |
| Hay .. .. | b | 96 | 56 | 0 |

| Stations. | wt | m'x | m'n | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 62 | 0 |
| Deniliquin. | b | 98 | 62 | 0 |
| Moruya .. | o | 74 | 64 | 0 |
| Kiandra.. | b | 87 | 45 | 0 |
| Albury .. | b | 92 | 64 | 0 |
| Bodalla.. | b | — | 59 | 0 |
| Cooma .. | b | 87 | 56 | 0 |
| Eden .. .. | o | 73 | 65 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 78 | 59 | 0·55 |
| Euston | b | 93 | 66 | 0 |
| G'lburn | b | 87 | 31 | 0 |
| Wagga. | b | 95 | 54 | 0 |
| C Geo'. | c | 76 | 62 | 0 |

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 6 1882.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 6 44·771
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M'X | MN | R'fall |
|---|---|---|---|---|
| Casino .. | b | 88 | 63 | 0·14 |
| Tent'rfield | g | 86 | 59 | 0·08 |
| Clarence . | b | 71 | 67 | 0·37 |
| Moree .. | c | 96 | 70 | 0 |
| Grafton .. | b | 83 | 49 | 0·30 |
| Gl n Inn's | b | 87 | 53 | 0·16 |
| Inverell. | b | 86 | 54 | 0·54 |
| Bourke | b | 111 | 83 | 0 |
| Narrabri . | g | 96 | 64 | 0 |
| Armidale. | u | 76 | — | 0 |
| Bendem'r | u | 76 | 43 | 0·06 |
| Gunned'h | c | 91 | — | 0·13 |
| C'n'mble | b | 101 | 76 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | g | 73 | 54 | 0 |
| Tamw'rth | u | 86 | — | 0·44 |
| Coonab'n. | n | 96 | 67 | 0·03 |
| P. M'cqrie | b | 77 | 68 | 0·21 |
| W'lcannia | o | — | — | 0 |
| Murr'ndi. | u | 81 | 71 | 0 |
| Taree.. | b | 90 | 66 | 0·26 |
| Cassilis | g | 91 | 79 | 0 |
| Muss'br'k | b | 99 | 71 | 0 |
| Dubbo .. | b | 97 | 78 | 0 |
| Menindie. | o | 104 | 71 | 0 |
| Singleton | b | 92 | 70 | 0·16 |
| Nels'n's B' | b | 89 | 66 | 0 |
| 8 76 | | | | |
| Mudg | c | 94 | 65 | 0 |
| Maitland. | o | 93 | 70 | 0 |
| Hill End. | b | — | — | 0 |
| N 'wcastle | c | 82 | 70 | 0 |
| Orange .. | b | 85 | 65 | 0 |
| Bathurst | b | 89 | 66 | 0 |
| Forbes .. | b | 101 | 69 | 0 |
| M. Vict'ria | c | 87 | 66 | 0 |
| Carcoar . | b | 82 | 66 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 97 | 79 | 0 |
| Picton .. | c | 89 | 63 | 0 |
| Sydney .. | o | 77 | 66 | 0 |
| Wentw'th | b | 103 | 62 | 0 |
| Young .. | b | 109 | 70 | 0 |
| Woll'g'ng | o | 81 | 63 | 0 |
| Taralga.. | b | 83 | — | 0 |
| Hay .. .. | b | 99 | 56 | 0 |

| Stations. | WT | M.X | MN | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 88 | 60 | 0 |
| Deniliquin. | b | 100 | 63 | 0 |
| Moruya .. .. | f | 79 | 66 | 0 |
| Kiandra... | b | 94 | 55 | 0 |
| Albury .... | b | 96 | 64 | 0 |
| Bodalla.. | b | — | 64 | 0 |
| Cooma .... | b | 87 | 56 | 0 |
| Eden . .. . | b | 85 | 65 | 0 |

M'ss V'l b 84,74 0
Euston b — 64 0
G'lburn b 84 30 0
Wagga. b 99 68 0
C Geo' c 78 60 0

0 30·05 R 85

## Curve showing state of Barometer.

Pt Ay Ea CB A Re P M WP Co E Ma CG Wg S N PM C B B CT

30·4 30·2 30·0 29·8 29·6

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

0 29·75 F 92

FINE GENERALLY.

56 29·92 F 69
1429·79 F 83
0 29·52 F 79

TIME BALL
Drops at 1 p.m, S.M.T
or 2h.55m,9·19s,a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers fallen about 0·13 on S.E. coast. For notes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 7 1883.

Sydney Observatory.

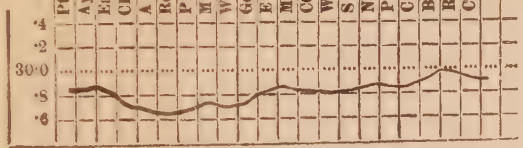
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·40.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 7 45·271
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | W | M | V | Rain |
|---|---|---|---|---|
| Casino .. | c | 100 | 65 | 0·25 |
| Tent'rfield | b | 92 | 62 | 0 |
| Clarence . | c | 80 | 67 | 0·06 |
| Moree .. | b | 91 | 74 | 0 |
| Grafton .. | b | 94 | 49 | 0·12 |
| Gl'n Inn's | b | 94 | 50 | 0·98 |
| Inverell. | b | 84 | 60 | 0·06 |
| Bourke | b | 110 | 73 | 0·68 |
| Narrabri. | b | 96 | 55 | 0 |
| Armidale | b | 73 | — | 0·39 |
| Pendem'r | b | 81 | 41 | 0 |
| Gunned'h | c | 90 | — | 0·12 |
| C'n'mble | b | 97 | 70 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 76 | 53 | 0·35 |
| Tamw'rth | b | 86 | — | 0·61 |
| Coonab'n. | b | 93 | 61 | 0·19 |
| P. Macqrie | b | 79 | 68 | 0 |
| Wilcannia | . | — | — | — |
| Murr'ndi. | b | 86 | 60 | 0·07 |
| Taree. | b | 94 | 72 | 0 |
| Cassilis | b | 93 | 68 | 0·01 |
| Muss'br'k | b | 101 | 66 | 0·33 |
| Dubbo .. | b | 98 | 72 | 0 |
| Menindie. | b | 81 | 65 | 0 |
| Singleton | b | 95 | 70 | 0 |
| Nels'n's B | g | 82 | 68 | 0·03 |
| 18 72 Mudg | b | 97 | 59 | 0·45 |
| Maitland. | b | 97 | 69 | 0·05 |
| Hill End. | g | | — | 0·56 |
| N'wcastle | b | 94 | 65 | 0·18 |
| Orange .. | b | 89 | 58 | 0 |
| Bathurst | b | 93 | 57 | 0 |
| Forbes .. | b | 101 | 65 | 0·06 |
| M. Vict'ria | b | 84 | 72 | 0 |
| Carcoar . | . | 86 | 60 | 0 |
| Cond'b'lin | b | — | — | — |
| Marsdens | b | 101 | 72 | 0 |
| Picton .. | g | 91 | 64 | 0·14 |
| Sydney .. | c | 95 | 65 | 0·50 |
| Wentw'th | c | 88 | 60 | 0 |
| Young .. | b | 103 | 60 | 0 |
| Woll'g'ng | b | 80 | 60 | 0·25 |
| Taralga.. | b | 88 | — | 0·40 |
| Hay .. .. | b | 94 | 46 | 0 |

| Stations. | W | M | V | Rain |
|---|---|---|---|---|
| Queanbe'an | b | 92 | 59 | 0 |
| Deniliquin. | b | 96 | 58 | 0 |
| Moruya .. .. | b | 76 | 61 | 0 |
| Kiandra.. | b | 88 | 47 | 0 |
| Albury .... | b | 100 | 59 | 0 |
| Bodalla.. | b | — | 58 | 0 |
| Cooma .... | b | 93 | 56 | 0 |
| Eden . .. .. | b | 86 | 62 | 0 |

23 30·06 R 8 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

14 29·84 R 85

FINE GENERALLY.

18 29·91 R 80

0 30·01 R 82

0 29·68 R 76

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 93 | 55 | 0·07 |
| Euston | b | 89 | 53 | 0 |
| G'lburn | b | 96 | 52 | 0·05 |
| Wagga. | b | — | 30 | 0 |
| C Geo' | b | 75 | 58 | 0 |

TIME BALL
Drops at 1 p.m. S.M.T or 2h.55m.9·19s.a.m. Greenwich Mn. Time MAG. VAR. 9°35′30″ E

Barometers risen about 0·15 on S.E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 8 1883.

**Sydney Observatory.**

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to November 30 51·242.
Total Rainfall from Jan. 1st to December 8 45·271
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M | N | |
|---|---|---|---|---|
| Queanbe'an | b | 87 | 27 | 0 |
| Deniliquin. | b | 98 | 58 | 0·02 |
| Moruya .. . | o | 76 | 61 | 0 |
| Kiandra.. | b | 89 | 48 | 0·21 |
| Albury ... | c | 94 | 62 | 0 |
| Bodalla . | o | — | 56 | 0 |
| Cooma . .. | o | 84 | 59 | 0 |
| Eden .. . | c | 79 | 68 | 0 |

| Station. | | | | |
|---|---|---|---|---|
| Casino | b | [illegible] | [illegible] | 0 |
| Tent'rfield | b | [illegible] | [illegible] | 0 |
| Clarence . | | 82 | 68 | 0·02 |
| Moree | b | [illegible] | [illegible] | 0 |
| Grafton | b | [illegible] | [illegible] | 0 |
| Gl[illegible] | b | 91 | 3 | 0 |
| Inverell. | b | 81 | 65 | 0 |
| Penrhe | b | 1[illegible] | 78 | 0 |
| Narrabri . | b | [illegible] | 52 | 0 |
| Armidale. | b | 81 | — | 0 |
| Pendem'r | b | 87 | 59 | 0 |
| Gunned'h | b | 84 | — | 0 |
| C[illegible] | b | [illegible] | 57 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 83 | 52 | 0 |
| Tamw'rth | o | 91 | — | 5·80 |
| Coon[illegible] | b | 96 | 54 | 0 |
| P. M'[illegible] | c | 78 | 66 | 0 |
| W[illegible] | . | — | — | — |
| Murr[illegible] | b | 88 | [illegible] | 0 |
| Taree | b | 90 | [illegible] | 0 |
| Cassilis | b | 94 | 76 | 0 |
| Muss'br'k | b | 1 0 | 64 | 0 |
| [illegible] | b | 95 | 72 | 0 |
| Menindee. | c | 100 | [illegible] | 0 |
| Singleton | b | 90 | 65 | 0 |
| Nels'n's B | b | 82 | [illegible] | 0 |
| 8 18 Mudg | o | 95 | 59 | 0 |
| Maitland. | b | 87 | 55 | 0 |
| Hill End. | b | | — | 0 |
| N'wcastle | g | 37 | 65 | 0 |
| Orange . | b | 84 | 58 | 0 |
| Bathurst | b | 89 | 51 | 0 |
| Forbes .. | b | 96 | 67 | 0 |
| M. Vict'ria | b | 81 | 76 | 0 |
| Carcoar . | b | 84 | 54 | 0 |
| Cond'b'lin | . | — | — | — |
| Mossdens | b | 95 | 75 | 0 |
| Boton .. | o | 82 | 62 | 0 |
| Sydney . | o | 73 | 64 | 0 |
| Wentw'th | o | 94 | 56 | 0 |
| Young . | a | 95 | 67 | 0 |
| Woll'g'ng | c | 78 | 56 | 0 |
| Taralga.. | b | 82 | . | 0 |
| Bay .... | b | 93 | 47 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l'c | c | [illegible] | 0 |
| Euston | c | 97 5 | 0 |
| G'lburn | | 88 62 | 0 |
| Wagga. | o | 96 64 | 0·04 |
| C Geo' | c | 74 60 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** DEC. 10 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* **E.**

**Average Annual Rainfall for 24 years** .... .... 50·640.
**Average for 25 years from Jan. 1st to** November 30 51·342.
**Total Rainfall from Jan. 1st to** December 10 45·271
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| Stations. | | | | |
|---|---|---|---|---|
| Casino .. | b | 87 | 65 | 0 |
| Tent'rfield | b | 95 | 57 | 0 |
| Clarence . | c | 85 | 64 | 0 |
| Moree .. | | 91 | 62 | 0 |
| Grafton . | b | 94 | 51 | 0 |
| Gl'n Inn's | b | 92 | 52 | 0 |
| Inverell.. | b | 89 | 60 | 0 |
| Bourke . | b | 95 | 66 | 0 |
| Narrabri . | b | 99 | 69 | 0 |
| Armidale. | b | 85 | -- | 0 |
| Bendem'r | b | 88 | 45 | 0 |
| Gunned'h | b | 90 | - | 0 |
| C'n'mble | b | 85 | 68 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 77 | 46 | 0 |
| Tamw'rth | b | 84 | — | 0 |
| Coonab'n. | b | 85 | 41 | 0 |
| P. M'cqrie | b | 74 | 61 | 0 |
| W'lcannia | b | — | -- | 0 |
| Murr'ndi . | b | 91 | 57 | 0 |
| Taree.. | b | 33 | 60 | 0 |
| Cassilis | b | 75 | 50 | 0 |
| Muss'br'k | b | 88 | 56 | 0 |
| Dubbo . | b | 97 | 71 | 0 |
| Menindie. | b | 82 | 59 | 0 |
| Singleton | b | 98 | 63 | 0 |
| Nels'n's B' | b | 76 | 58 | 0 |
| 13 73 Mudg | b | 92 | 46 | 0 |
| Maitland. | b | 92 | 60 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 73 | 62 | 0 |
| Orange .. | b | 71 | 44 | 0 |
| Bathurst | b | 90 | 41 | 0 |
| Forbes .. | b | 82 | 49 | 0 |
| M. Vict'ria | b | 85 | 62 | 0 |
| Carcoar . | . | — | - | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | — |
| Picton .. | b | 75 | 56 | 0·22 |
| Sydney .. | b | 70 | 60 | 0 |
| Wentw'th | b | 84 | 51 | 0 |
| Young . | b | 85 | 47 | 0 |
| Woll'g'ng | b | 74 | 55 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay .. | b | 83 | 41 | 0 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 72 51 | 0 |
| Euston | b | 86 55 | 0 |
| G'lburn | b | 75 46 | 0 |
| Wagga. | b | 87 48 | 0 |
| C Geo' | b | 69 51 | 0·05 |

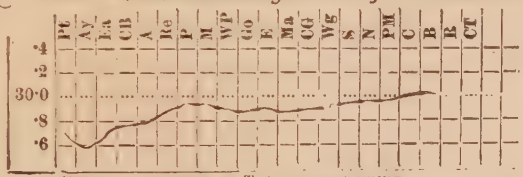
| Stations. | | | | |
|---|---|---|---|---|
| Queanbe'an | b | 83 | 51 | 0 |
| Deniliquin. | b | 98 | 50 | 0 |
| Moruya .. .. | g | 71 | 57 | 0 |
| Kiandra.. | h | 81 | 25 | 0·20 |
| Albury ... | u | 79 | 45 | 0 |
| Bodalla.. | c | 50 | 41 | 0 |
| Cooma ..... | o | 78 | 43 | 0 |
| Eden . .. . | b | 71 | 68 | 0 |

8 29·98 F 98

*Curve showing state of Barometer.*

Pt Ay Ea CB A Re P M WP Go E Ma CG Wg S N PM C B R CT

·4 ·2 30·0 ·8 ·6



Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

14 29·91 R 81

CLOUDY GENERALLY.

28 29·99 R 76

0 29·97 R 66

— 29·77 R 65

TIME BALL
Drops at 1 p.m. S.M.T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 23 on S.E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. DEC. 11 1883.

Sydney Observatory.

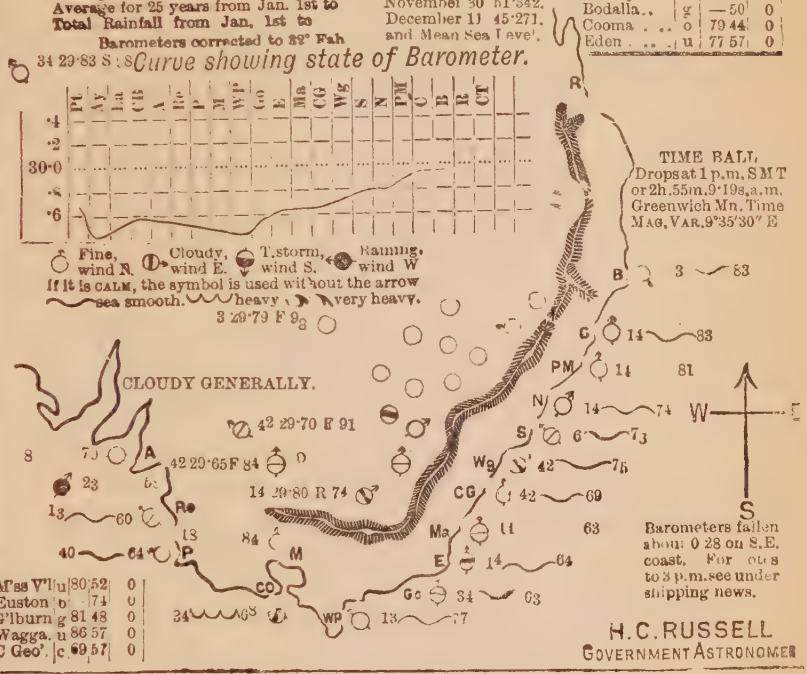
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 11 45·271.
Barometers corrected to 32° Fah and Mean Sea Level.

| Stations. | W | M'x | V | R'h |
|---|---|---|---|---|
| Casino .. | b | 95 | 58 | 0 |
| Tent'rfield | b | 90 | 59 | 0 |
| Clarence . | b | 84 | 65 | 6 |
| Moree .. | b | 95 | 62 | 0 |
| Grafton .. | b | 90 | 51 | 0 |
| Gl'n Inn's | b | 93 | 69 | 0 |
| Inverell.. | b | 89 | 59 | 0 |
| Bourke . | b | 96 | 65 | 0 |
| Narrabri. | b | 102 | 61 | 0 |
| Armidale. | b | 80 | — | 0 |
| Bendem'r | b | 82 | 48 | 0 |
| Gunned'h | b | 91 | — | 0 |
| C'n'mble | b | 92 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 80 | 38 | 0 |
| Tamw'rth | b | 87 | — | 0 |
| Coonab'n. | b | 91 | 46 | 0 |
| P. M'cqrie | b | 82 | 67 | 0 |
| W'lcannia | g | — | — | 0 |
| Murr'ndi. | b | 85 | 55 | 0 |
| Taree.. | b | 80 | 59 | 0 |
| Cassilis | b | 85 | 67 | 0 |
| Muss'br'k | b | 90 | 58 | 0 |
| Dubbo . | b | 89 | 68 | 0 |
| Menindie. | u | 93 | 76 | 0 |
| Singleton | b | 87 | 62 | 0 |
| Nels'n's B. | b | 85 | 61 | 0 |
| 23 73 Mudg | b | 89 | 50 | 0 |
| Maitland. | b | 85 | 59 | 0 |
| Hill End. | l | — | — | 0 |
| N'wcastle | b | 76 | 60 | 0 |
| Orange .. | b | 77 | 50 | 0 |
| Bathurst | b | 78 | 46 | 0 |
| Forbes .. | u | 88 | 57 | 9 |
| M. Vict'ria | g | 86 | 67 | 0 |
| Carcoar . | b | 71 | 51 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 87 | 64 | 0 |
| Picton .. | g | 82 | 57 | 0 |
| Sydney .. | o | 73 | 66 | 0 |
| Wentw'th | g | 92 | 77 | 0 |
| Young . | r | 87 | 54 | 0 |
| Wolf'g'ng | o | 77 | 54 | 0 |
| Taralga.. | u | 72 | — | 0 |
| Hay — — | b | 97 | 59 | 0 |

| Stations. | W | M'x | V | R'h |
|---|---|---|---|---|
| Queanbe'an | g | 77 | 50 | 0 |
| Deniliquin. | g | 89 | 65 | 0 |
| Moruya .. | g | 72 | 56 | 0 |
| Kiandra.. | b | 75 | 37 | 0 |
| Albury ... | u | 84 | 44 | 0 |
| Bodalla.. | g | — | 50 | 0 |
| Cooma . .. | o | 79 | 44 | 0 |
| Eden . .. | u | 77 | 57 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | u | 80 | 52 | 0 |
| Euston | b | | 74 | 0 |
| G'lburn | g | 81 | 48 | 0 |
| Wagga. | u | 86 | 57 | 0 |
| C Geo'. | c | 69 | 57 | 0 |




H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 12 1883.

Sydney Observatory.

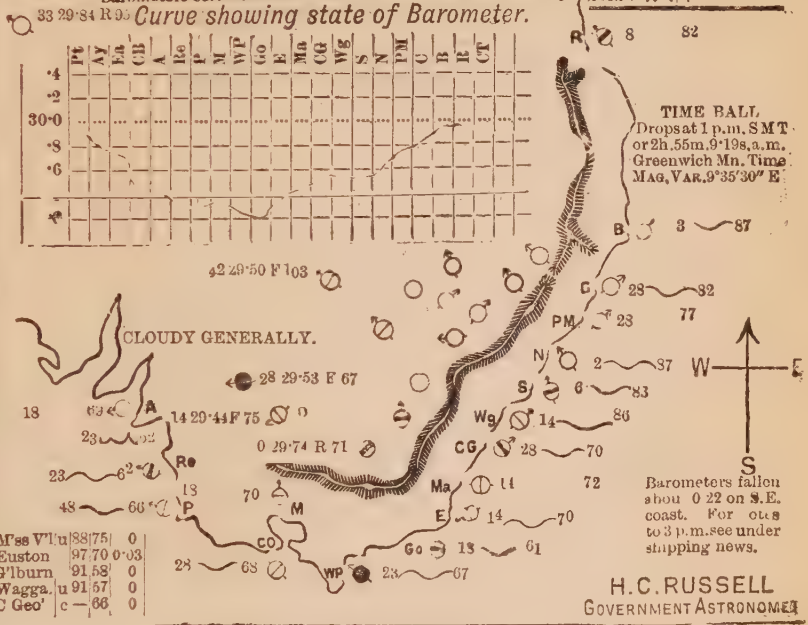
*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average Annual Rainfall for 24 years** . . . . . 50·640.
**Average for 25 years from Jan. 1st to** November 30 51·342.
**Total Rainfall from Jan. 1st to** December 12 45·271.
**Barometers corrected to 32° Fah.** and Mean Sea Level.

| STATIONS. | WT | M'N | M'D | R'in |
|---|---|---|---|---|
| Casino .. | b | 103 | 66 | 0 |
| Tent'rfield | b | 95 | 49 | 0 |
| Clarence . | b | 84 | 65 | 6 |
| Moree .. | b | 100 | 80 | 0 |
| Grafton .. | b | 100 | 54 | 0 |
| Gl'n Inn's | b | 101 | 62 | 0 |
| Inverell. | b | 90 | 68 | 0 |
| Bourke | c | 108 | 62 | 0 |
| Narrabri . | b | 104 | — | 0 |
| Armidale. | b | 84 | — | 0 |
| Bendem'r | b | 89 | 59 | 0 |
| Gunned'h | b | 97 | — | 0 |
| C'n'mble | b | 106 | 75 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | c | 85 | 49 | 0 |
| Tamw'rth | b | 95 | — | 0 |
| Coonab'n. | b | 101 | 61 | 0 |
| P. M'cqrie | b | 84 | 70 | 0 |
| W'lcannia | c | — | — | 0 |
| Murr'ndi. | b | 89 | 70 | 0 |
| Taree.. | b | 92 | 70 | 0 |
| Cassilis | b | 91 | 72 | 0 |
| Muss'br'k | b | 97 | 71 | 0 |
| Dubbo . | b | 96 | 73 | 0 |
| Menindie. | o | 101 | 78 | 0 |
| Singleton | o | 91 | 75 | 0 |
| Nels'n's B. | b | 88 | 65 | 0 |
| 28 69 Mudg | o | 90 | 61 | 0 |
| Maitland. | b | 96 | 72 | 0 |
| Hill End. | l | — | — | 0 |
| N'wcastle | b | 95 | 70 | 0 |
| Orange .. | b | 85 | 62 | 0 |
| Bathurst | c | 87 | 60 | 0 |
| Forbes .. | b | 98 | 73 | 0 |
| M. Vict'ria | b | 82 | 62 | 0 |
| Carcoar . | b | 83 | 66 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 88 | 69 | 0 |
| Picton .. | u | 99 | 64 | 0 |
| Sydney .. | o | 84 | 73 | 0 |
| Wentw'th | p | 94 | 64 | 0·21 |
| Young . | g | 89 | 63 | 0 |
| Woll'g'ng. | o | 79 | 67 | 0 |
| Taralga.. | g | 81 | — | 0 |
| Hay .. | b | 95 | 60 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | u | 88 | 75 | 0 |
| Euston | | 97 | 70 | 0·03 |
| G'lburn | | 91 | 58 | 0 |
| Wagga. | u | 91 | 57 | 0 |
| C Geo' | c | — | 66 | 0 |

| Stations. | WT | M'N | M'D | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 86 | 61 | 0 |
| Deniliquin. | g | 100 | 66 | 0·08 |
| Moruya .. | g | 84 | 64 | 0 |
| Kiandra.. | b | 85 | 35 | 0 |
| Albury ... | o | 92 | 64 | 0·05 |
| Bodalla.. | g | — | 63 | 0 |
| Cooma .... | c | 88 | 60 | 0 |
| Eden .. | . | — | — | — |




Barometers fallen about 0·22 on S.E. coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 13 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 12 45·281.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 105 | 78 | 0 |
| Tent'rfield | b | 103 | 79 | 0 |
| Clarence . | b | 88 | 68 | 0 |
| Moree .. | c | 105 | 84 | 0·08 |
| Grafton .. | u | 109 | 69 | 0·27 |
| Gl'n Inn's | u | 92 | 54 | 0 |
| Inverell. | b | 95 | 51 | 0 |
| Bourke | b | 117 | 78 | 0 |
| Narrabri . | b | 109 | 69 | 0 |
| Armidale. | b | 89 | — | 0·20 |
| Bendem'r | g | 93 | 68 | 0 |
| Gunned'h | c | 105 | — | 0 |
| C'n'mble | b | 115 | 74 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 89 | 61 | 0·02 |
| Tamw'rth | b | 101 | — | 0 |
| Coonab'n. | b | 107 | 66 | 0 |
| P. M'cqrie | . | — | — | — |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 98 | 77 | 0 |
| Taree.. | . | — | — | — |
| Cassilis | b | 103 | 75 | 0 |
| Muss'br'k | b | 110 | 76 | 0 |
| Dubbo . | b | 100 | 52 | 0 |
| Menindie. | b | 86 | 68 | 0 |
| Singleton | b | 107 | 89 | 0 |
| Nels'n's B' | b | 89 | 70 | 0 |
| Mudg | b | 104 | 59 | 0 |
| Maitland. | b | 106 | 76 | 0·10 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 105 | 72 | 0·25 |
| Orange .. | b | 94 | 56 | 0 |
| Bathurst | b | 98 | 56 | 0 |
| Forbes .. | b | 105 | 61 | 0 |
| M. Vict'ria | b | 94 | 66 | 0 |
| Carcoar . | b | 89 | 57 | 0 |
| Condo'lin | . | — | — | — |
| Marsdens | b | 1[illegible]2 | 68 | 0 |
| Picton .. | c | 98 | 68 | 0 |
| Sydney . | b | 10[illegible] | 72 | 0·10 |
| Wentw'th | b | 83 | 60 | 0·13 |
| Young . | c | 10[illegible] | 56 | 0 |
| Woll'g'ng | b | 107 | 6[illegible] | 0 |
| Taralga.. | b | 85 | — | 0 |
| Hay .... | b | 81 | 45 | 0·15 |
| M'ss V'l | b | 98 | | 0 |
| Euston | | 83 | 57 | 0·17 |
| G'lburn | b | — | 56 | 0 |
| Wagga. | u | 90 | 53 | 0·19 |
| C Geo' | b | 94 | 60 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | . | — | — | — |
| Deniliquin. | b | 80 | 54 | 0·50 |
| Moruya .... | b | 102 | 56 | 0 |
| Kiandra.. | c | 83 | 40 | 0 |
| Albury .... | c | 80 | 51 | 0·34 |
| Bodalla.. | b | — | 61 | 0 |
| Cooma .... | c | 95 | 48 | 0 |
| Eden . .. | . | — | — | — |

13 30·06 R 85

*Curve showing state of Barometer*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W

If it is CALM, the symbol is used without the arrow.

sea smooth. heavy very heavy.

0 29·79 R 90

Barometers risen about 0 22 on S. coast. For cts to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

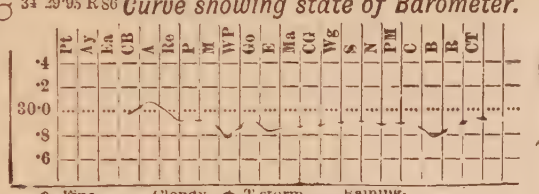
From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 14 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 14 45·281.
Barometers corrected to 32° Fah. and Mean Sea Level.

34 29·95 R 86 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining, wind W
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy very heavy.

14 29·92 R 86

FINE GENERALLY.

28 30·21 R 65

28 29·98 R 64

28 29·75 R 65

TIME BALL
Drops at 1 p.m. S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG. VAR, 9°35′30″ E

Barometers risen abou 0·22 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

| STATIONS. | WT | M.X | Mn | R'fn |
|---|---|---|---|---|
| Casino .. | b | 106 | 61 | 0 |
| Tent'rfield | b | 93 | 51 | 0 |
| Clarence . | b | 81 | 63 | 0 |
| Moree .. | b | 100 | 71 | 0 |
| Grafton .. | b | 90 | 63 | 0 |
| Gl n Inn's | b | 91 | 50 | 0 |
| Inverell.. | b | 94 | 65 | 0 |
| Bourke .. | b | 102 | 71 | 0 |
| Narrabri . | b | 102 | 54 | 0 |
| Armidale. | b | 85 | — | 0 |
| Bendem'r | b | 89 | 58 | 0 |
| Gunned'h | b | — | — | 0 |
| C'n'mble | b | 96 | 66 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | . | — | — | — |
| Tamw'rth | b | 94 | — | 0 |
| Coonab'n. | b | 89 | 49 | 0 |
| P. M'cqrie | . | — | — | — |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 99 | 62 | 0 |
| Taree.. | . | — | — | — |
| Cassilis | b | 95 | 73 | 0 |
| Muss'br'k | b | 97 | 61 | 0 |
| Dubbo . | b | 90 | 65 | 0 |
| Menindie. | b | 80 | 64 | 0 |
| Singleton | b | 94 | 67 | 0 |
| Nels'n's B' | b | 90 | 63 | 0 |
| Mudg | b | — | — | 0 |
| Maitland. | b | 97 | 61 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 94 | 66 | 0 |
| Orange .. | b | 75 | 42 | 0 |
| Bathurst | b | 79 | 46 | 0 |
| Forbes .. | b | 84 | 57 | 0 |
| M. Vict'ria | b | 77 | 50 | 0 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 80 | 63 | 0 |
| Picton .. | b | 86 | 56 | 0 |
| Sydney .. | b | 87 | 65 | 0 |
| Wentw'th | b | 79 | 54 | 0 |
| Young . | b | 83 | 48 | 0 |
| Woll'g'ng | p | 90 | 60 | 0 |
| Taralga.. | b | 78 | — | 0 |
| Hay .. .. | b | 80 | 40 | 0 |
| M'ss V'l | b | 78 | | 0 |
| Euston | b | 80 | 49 | 0 |
| G'lburn | b | 86 | 47 | 0 |
| Wagga. | b | 80 | 52 | 0 |
| C Geo'. | b | 97 | 56 | 0 |

| Stations. | WT | M.X | Mn | R'fn |
|---|---|---|---|---|
| Queanbe'an | b | 77 | 50 | 0 |
| Deniliquin. | b | 78 | 51 | 0 |
| Moruya .. .. | c | 81 | 58 | 0·07 |
| Kiandra.. | c | 73 | 35 | 0·53 |
| Albury .... | c | 76 | 54 | 0 |
| Bodalla.. | b | — | 55 | 0 |
| Cooma .... | c | — | 44 | 0 |
| Eden . .. . | b | 77 | 63 | 0·15 |

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. DEC. 15 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* E.

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 15 45·281.
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 102 | 61 | 0 |
| Tent'rfield | b | 90 | 46 | 0 |
| Clarence . | b | 88 | 64 | 0 |
| Moree .. | b | 95 | 68 | 0 |
| Grafton .. | b | 97 | 68 | 0 |
| Gl'n Inn's | b | 91 | 50 | 0 |
| Inverell. | b | 95 | 60 | 0 |
| Bourke | b | 98 | 62 | 0 |
| Narrabri . | b | 98 | 44 | 0 |
| Armidale. | b | 85 | — | 0 |
| Bendem'r | b | 84 | 48 | 0 |
| Gunned'h | b | 95 | — | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 80 | 44 | 0 |
| Tamw'rth | b | 89 | — | 0 |
| Coonab'n. | b | 88 | 53 | 0 |
| P. M'cqrie | b | 86 | 63 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 86 | 63 | 0 |
| Taree.. | . | — | — | — |
| Cassilis | b | 86 | 64 | 0 |
| Muss'br'k | b | 94 | 58 | 0 |
| Dubbo . | b | 87 | 62 | 0 |
| Menindie. | b | 84 | 63 | 0 |
| Singleton | b | 92 | 62 | 0 |
| Nels'n's B | c | 84 | 59 | 0 |
| 0 72 Mudg | b | 88 | 54 | 0 |
| Maitland. | b | 89 | 61 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 75 | 64 | 0 |
| Orange .. | b | 75 | 49 | 0 |
| Bathurst | b | 78 | 47 | 0 |
| Forbes .. | b | 83 | 52 | 0 |
| M. Vict'ria | b | 78 | 60 | 0 |
| Carcoar . | b | 75 | 56 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | — | — | — |
| Picton .. | b | 84 | 56 | 0 |
| Sydney .. | b | 87 | 62 | 0 |
| Wentw'th | b | 81 | 53 | 0 |
| Young . | b | 84 | 48 | 0 |
| Woll'g'ng | b | 101 | 55 | 0·23 |
| Taralga.. | b | 75 | — | 0 |
| Hay ..... | b | 81 | 41 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 78 | 51 | 0 |
| D[illegible]liquin. | b | 73 | 50 | 0 |
| Moruya .... | b | 74 | 53 | 0·35 |
| Kiandra.. | n | 81 | 32 | 0 |
| Albury .... | b | 75 | 47 | 0 |
| Bodalla.. | b | — | 48 | 0·44 |
| Cooma .... | c | 73 | 47 | 0 |
| Eden .. .. | b | 70 | 54 | 0·40 |

0 30·13 F 84 *Curve showing state of Barometer.*

Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow. sea smooth. heavy. very heavy.

14 29·81 R 81

TIME BALL
Drops at 1 p.m. S M T or 2h.55m.9·19s.a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0 12 on coast. For notes to 3 p.m. see under shipping news.

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 79 | | 0 |
| Euston | b | 80 | 50 | 0 |
| G'lburn | b | 79 | 45 | 0 |
| Wagga. | b | 80 | 38 | 0 |
| C Geo' | b | 71 | 51 | 0·09 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 17 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 17 45·281.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 95 | 63 | 0 |
| Tent'rfield | b | 94 | 57 | 0 |
| Clarence . | b | 86 | 65 | 0 |
| Moree .. | b | 94 | 69 | 0 |
| Grafton . | b | 90 | 63 | 0 |
| Gl n Inn's | b | 93 | 50 | 0 |
| Inverell. | b | 94 | 64 | 0 |
| Bourke | b | 102 | 72 | 0 |
| Narrabri . | b | 98 | 56 | 0 |
| Armidale. | b | 80 | — | 0 |
| Bendem'r | b | 85 | 45 | 0 |
| Gunned'h | b | 92 | — | 0 |
| C'n'mble | b | 96 | 63 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 81 | 44 | 0 |
| Tamw'rth | b | 90 | — | 0 |
| Coonab'n. | b | 92 | 49 | 0 |
| P. M'cqrie | b | 82 | 62 | 0 |
| W'lcannia. | b | — | — | 0 |
| Murr'ndi . | b | 86 | 55 | 0 |
| Taree. | b | 87 | 59 | 0 |
| Cassilis | b | 88 | 65 | 0 |
| Muss'br'k | b | 97 | 59 | 0 |
| Dubbo . | b | 92 | 65 | 0 |
| Menindie. | b | 94 | 8 | 0 |
| Singleton | b | 92 | 59 | 0 |
| Nels'n's B. | b | 89 | 59 | 0 |
| 18 69 Mudg | b | 92 | 54 | 0 |
| Maitland. | b | 91 | 8 | 0 |
| Hill End. | l | — | — | 0 |
| N'wcastle | b | 84 | 62 | 0 |
| Orange .. | g | 80 | 50 | 0 |
| Bathurst | c | 85 | — | 0 |
| Forbes .. | d | 90 | 66 | 0 |
| M. Vict'ria | b | 84 | 70 | 0 |
| Carcoar . | b | 78 | 50 | 0 |
| Cond'b'lin | . | — | | — |
| Marsdens | b | 90 | 69 | 0 |
| Picton .. | b | 8[illegible] | 49 | 0 |
| Sydney . | b | 78 | 64 | 0 |
| Wentw'th | b | 90 | 58 | 0 |
| Young . | b | [illegible] | 51 | 0 |
| Wolf'g'ng | c | 7[illegible] | 55 | 0 |
| Taralga.. | b | 8[illegible] | — | 0 |
| Ha[illegible] .. | b | 90 | 42 | 0 |

| Stations. | WT | M.x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 82 | 52 | 0 |
| Deniliquin. | b | 90 | 54 | 0 |
| Moruya .. .. | g | 78 | 56 | 0 |
| Kiandra.. | g | 83 | 34 | 0 |
| Albury .... | c | 88 | 50 | 0 |
| Bodalla.. | g | — | 43 | 0 |
| Cooma .... | c | 80 | 51 | 0 |
| Eden .. .. .. | p | 76 | 57 | 0·02 |

8 30·02 F 89 *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W

If it is CALM, the symbol is used without the arrow

sea smooth. heavy very heavy.

14 29·80 F 91

| M'ss V'l | | | |
|---|---|---|---|
| Euston | b | 86 57 | 0 |
| G'lburn | b | 87 58 | 0 |
| Wagga. | g | 92 47 | 0 |
| G Geo' | b | 75 57 | 0 |

Barometers fallen about 0 30 on coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

FROM TELEGRAMS for 9 A.M. & 3 P.M. DEC. 18 1883.

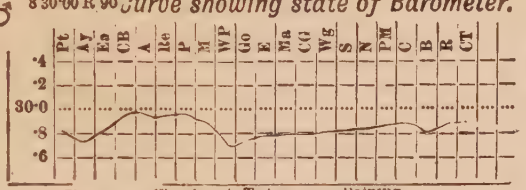
Sydney Observatory

*Lat.* 33° 51′ 41″ S. ; *Long* 10*h.* 4*m* 50·81*s.* E

Average Annual Rainfall for 24 years .... ... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 18 45·339.
Barometers corrected to 32° Fah and Mean Sea Level.

8 30·00 R 90

*Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining. wind W
If it is CALM, the symbol is used without the arrow
Sea smooth. heavy very heavy.

0 29·85 R 80

| STATIONS. | WT | M | X | Rain |
|---|---|---|---|---|
| Casino . | c | 98 | 67 | 0 |
| Tent'rfield | b | 74 | 52 | 0 |
| Clarence . | b | 85 | 65 | 0·08 |
| Moree .. | D | 97 | 69 | 0 |
| Grafton .. | c | 100 | 65 | 0 |
| Gl'n Inn's . | | — | — | — |
| Inverell. | b | 94 | 64 | 0 |
| Bourke .. | b | 107 | 68 | 0 |
| Narrabri . | b | 102 | — | 0 |
| Armidale. | b | 83 | — | 0 |
| Bendem'r | b | 86 | 57 | 0 |
| Gunned'h | b | 94 | — | 0 |
| C'n'mble | b | 93 | 46 | 0 |
| Kempsey . | | — | — | — |
| Walcha.. | b | 80 | 40 | 0 |
| Tamw'rth | b | 95 | — | 0 |
| Coonab'n. | b | 93 | 46 | 0 |
| P. M'cqrie | b | 94 | 64 | 0·04 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | b | 86 | 50 | 0 |
| Taree. | b | 98 | 53 | 0 |
| Cassilis | b | 89 | 58 | 0 |
| Muss'br'k | b | 101 | 59 | 0 |
| Dubbo . | D | 92 | 64 | 0 |
| Menindie. | b | 94 | 62 | 0 |
| Singleton | D | 93 | 63 | 0 |
| Nels'n's B | b | 7 | 56 | 0 |
| 8 73 | | | | |
| Mudg | D | 87 | 51 | 0 |
| Maitland. | b | 95 | — | 0·13 |
| Hill End. | | — | — | 0 |
| N'wcastle | b | 90 | 61 | 0·06 |
| Orange .. | b | 71 | 40 | 0 |
| Bathurst | | 79 | 42 | 0 |
| Forbes .. | b | 84 | 55 | 0 |
| M. Vict'ria | b | 74 | 60 | 0 |
| Carcoar . | b | 78 | 50 | 0 |
| Coud'b'lin | | — | — | — |
| Marsdens | b | 82 | 62 | 0 |
| Picton .. | c | 84 | 55 | 0 |
| Sydney . | b | 74 | 59 | 0·06 |
| Wentw'th | D | 81 | 54 | 0 |
| Young . | b | 88 | 47 | 0 |
| Woll'g'ng | b | 78 | 71 | 0·10 |
| Taralga.. | D | 86 | — | 0 |
| Hay .. .. | | — | — | — |

| Stations. | WT | M | X | Rain |
|---|---|---|---|---|
| Queanbe'an | b | 79 | 52 | 0 |
| Deniliquin. | b | 78 | 60 | 0 |
| Moruya .. | b | 72 | 53 | 0·18 |
| Kiandra.. | b | 35 | 25 | 0 |
| Albury ... | b | 81 | 49 | 0 |
| Bodalla.. | b | — | 52 | 0·72 |
| Cooma .... | b | 60 | 37 | 0 |
| Eden . .. | b | 74 | 53 | 0·18 |

| | | | |
|---|---|---|---|
| M'ss V'l | b | 75 | 0·07 |
| Euston | b | 82 | 53 | 0 |
| G'lburn | b | 63 | 55 | |
| Wagga. | b | 83 | 50 | 0 |
| C Geo' | | — | — | 0 |

TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 0·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY.

Barometers fallen about 0·17 on S E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 19

Sydney Observatory

*Lat* 33° 51′ 41″ *S* ; *Long* 10h 4m 56·8[illegible]

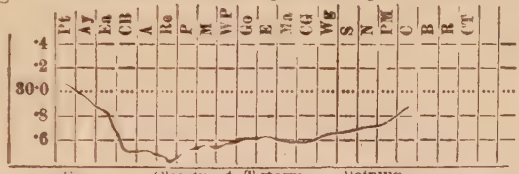
Average Annual Rainfall for 24 years 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 19 45·339.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | WT | M'X | YR | R'IN. |
|---|---|---|---|---|
| Casino . | b | 91 | 66 | 0 |
| Tent'rfield | b | 90 | 60 | 0 |
| Clarence . | b | 86 | 67 | 0 |
| Moree | b | 95 | 63 | 0 |
| Grafton | b | 87 | 62 | 0 |
| Gl'n Inn's | b | 93 | 58 | — |
| Inverell. | b | 94 | 60 | 0 |
| Bourke | b | 95 | 68 | 0 |
| Narrabri . | b | 102 | 57 | 0 |
| Armidale. | b | 83 | — | 0 |
| Bendem'r | b | 85 | 55 | 0 |
| Gunned'h | b | 91 | — | 0 |
| C'n'mble | b | 92 | 59 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 82 | 48 | 0 |
| Tamw'rth | b | 90 | — | 0 |
| Coonab'n. | b | 91 | 4[illegible] | 0 |
| P. M'cqrie | b | 7[illegible] | 64 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 85 | 57 | 0 |
| Taree | b | 7[illegible] | 55 | 0 |
| Cassilis | b | 85 | [illegible] | 0 |
| Muss'br'k | b | 91 | 60 | 0 |
| Dubbo . | b | 86 | 64 | 0 |
| Menindie. | b | 82 | 65 | 0 |
| Singleton | b | 89 | 62 | 0 |
| Nels'n's B' | b | 84 | 58 | 0 |
| 24 69 Mudg | g | 89 | 55 | 0 |
| Maitland. | b | 95 | [illegible] | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 74 | 64 | 0 |
| Orange .. | b | 76 | 38 | 0 |
| Bathurst | b | 82 | 43 | 0 |
| Forbes .. | b | 86 | 57 | 0 |
| M. Vict'ria | b | 88 | 70 | 0 |
| Carcoar . | b | 72 | 55 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 86 | 65 | 0 |
| Picton .. | b | 78 | 50 | 0 |
| Sydney .. | b | 74 | 61 | 0 |
| Wentw'th | b | 88 | 60 | 0 |
| Young . | b | 89 | 54 | 0 |
| Woll'g'ng | b | 80 | 56 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay .... | b | 88 | 41 | 0 |

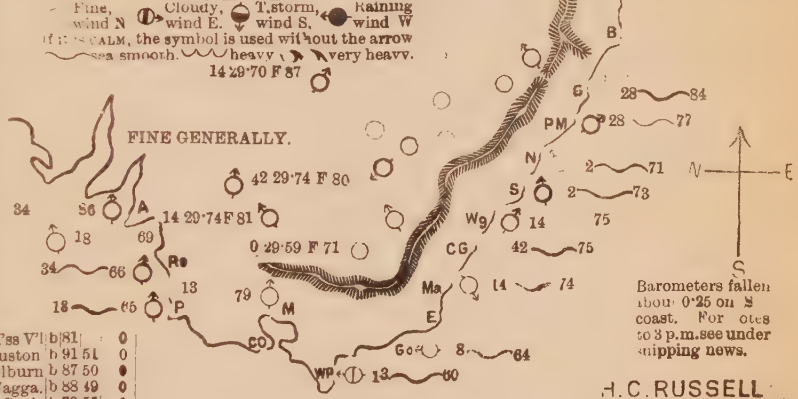
| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 81 | | 0 |
| Euston | b | 91 | 51 | 0 |
| G'lburn | b | 87 | 50 | 0 |
| Wagga. | b | 88 | 49 | 0 |
| C Geo' | b | 79 | 55 | 0 |

| Stations. | WT | M'X | YR | R'IN. |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 56 | 0 |
| Deniliquin. | b | 83 | 54 | 0 |
| Moruya . | b | 74 | 55 | 0 |
| Kiandra. | b | 88 | 38 | 0 |
| Albury ... | b | 86 | 54 | 0 |
| Bodalla . | b | — | 47 | 0 |
| Cooma . .. | b | 72 | 45 | 0 |
| Eden . .. . | b | — | — | 0 |

## *Curve showing state of Barometer.*




Fine, wind N. Cloudy, wind E. T.storm, wind S. Raining wind W.
If it is CALM, the symbol is used without the arrow.
sea smooth. heavy. very heavy.




Barometers fallen about 0·25 on S coast. For notes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER.

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. DEC. 20 1883.

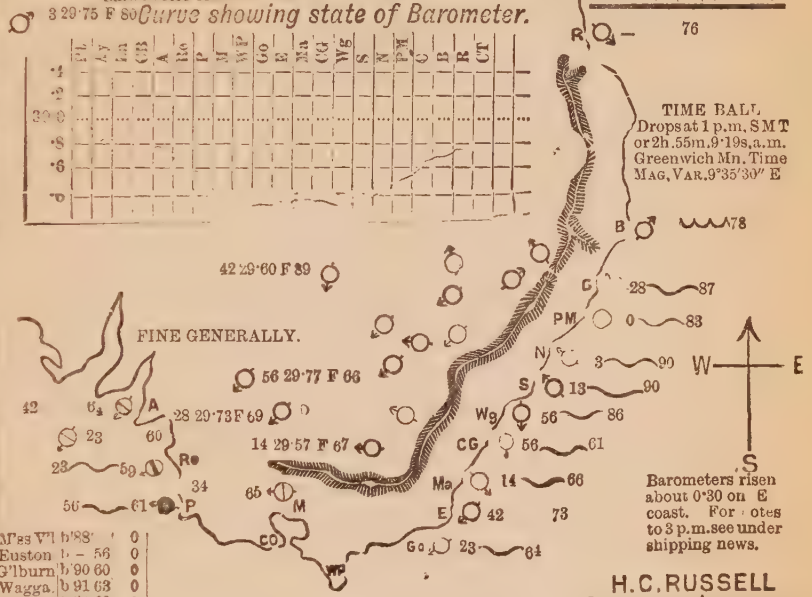
Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan, 1st to December 20 45·339.
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | wt | M'x | Mn | R'in |
|---|---|---|---|---|
| Casino .. | b | 103 | 71 | 0 |
| Tent'rfield | b | 94 | 52 | 0 |
| Clarence . | b | 82 | 65 | 0 |
| Moree .. | b | 96 | 66 | 0 |
| Grafton .. | b | 92 | 62 | 0 |
| Gl'n Inn's | b | 96 | 49 | 0 |
| Inverell. | b | 94 | 64 | 0 |
| Bourke | b | 104 | 73 | 0 |
| Narrabri. | b | 104 | 61 | 0 |
| Armidale. | b | 84 | — | 0 |
| Bendem'r | b | 88 | 60 | 0 |
| Gunned'h | b | 94 | — | 0 |
| C'n'mble | b | 98 | 68 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 85 | 48 | 0 |
| Tamw'rth | b | 96 | — | 0 |
| Coonab'n. | b | 94 | 49 | 0 |
| P. M'cqrie | b | 83 | 65 | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | . | — | — | 0 |
| Taree.. | b | 91 | 61 | 0 |
| Cassilis | b | 91 | 64 | 0 |
| Muss'br'k | b | 100 | 65 | 0 |
| Dubbo . | b | 92 | 69 | 0 |
| Menindie. | b | 100 | 79 | 0 |
| Singleton | b | 96 | 66 | 0 |
| Nels'n's B. | b | 93 | 62 | 0 |
| ○ 0 69 Mudg | b | 93 | 53 | 0 |
| Maitland. | b | 98 | 9 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 93 | 67 | 0 |
| Orange .. | b | 82 | 54 | 0 |
| Bathurst | b | 89 | 51 | 0 |
| Forbes .. | b | 96 | 60 | 0 |
| M. Vict'ria | b | 89 | 7 | 0 |
| Carcoar . | b | 79 | 59 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 94 | 72 | 0 |
| Picton .. | b | 89 | 52 | 0 |
| Sydney . | b | 92 | 63 | 0 |
| Wentw'th | b | 03 | 58 | 0 |
| Young . | b | 94 | 59 | 0 |
| Woll'g'ng | b | 66 | 58 | 0 |
| Taralga.. | b | 82 | — | 0 |
| Ha, .... | b | 98 | 45 | 0 |

| Stations. | WT | M'x | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 87 | 57 | 0 |
| Deniliquin. | b | 98 | 55 | 0 |
| Moruya .... | b | 72 | 37 | 0 |
| Kiandra... | b | 91 | 49 | 0 |
| Albury .... | b | 93 | 62 | 0 |
| Bodalla.. | b | — | 53 | 0 |
| Cooma .... | b | 85 | 51 | 0 |
| Eden . ... . | b | 79 | 61 | 0 |




Barometers risen about 0·30 on E coast. For notes to 3 p.m. see under shipping news.

| | | | |
|---|---|---|---|
| M'ss V'l | b | 88 | 0 |
| Euston | b | — 56 | 0 |
| G'lburn | b | 90 60 | 0 |
| Wagga. | b | 91 63 | 0 |
| C Geo' | b | 84 69 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

**From Telegrams for 9 A.M. & 3 P.M.** DEC. 21 **1883.**

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

**Average Annual Rainfall for 24 years** .......... 50·640.
**Average for 25 years from Jan. 1st to** November 30 51·342.
**Total Rainfall from Jan. 1st to** December 21 45·339.
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | [illegible] | [illegible] | [illegible] | [illegible] |
|---|---|---|---|---|
| Casino .. | b | 109 | 71 | 0 |
| Tent'rfield. | b | 98 | 53 | 0 |
| Clarence . | . | — | — | 0 |
| Moree .. | b | 106 | 69 | 0 |
| Grafton .. | b | 110 | 70 | 0 |
| Gl n Inn's | b | 110 | 59 | 0 |
| Inverell. | b | 93 | 66 | 0 |
| Bourke .. | b | 104 | 67 | 0 |
| Narrabri . | b | 108 | — | 0 |
| Armidale. | b | 91 | — | 0 |
| Bendem'r | b | 95 | 56 | 0 |
| Gunned'h | b | 105 | — | 0 |
| C'n'mble | b | 100 | 67 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 92 | 38 | 0 |
| Tamw'rth | b | 1)3 | — | 0 |
| Coonab'n. | b | 97 | 43 | 0 |
| P. M'cqrie | . | — | — | 0 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi . | . | 96 | 58 | 0 |
| Taree.. | b | 107 | 68 | 0 |
| Cassilis | b | 95 | 60 | 0 |
| Muss'br'k | b | 104 | 66 | 0 |
| Dubbo . | b | 94 | 63 | 0 |
| Menindie. | b | 86 | 68 | 0 |
| Singleton | b | 102 | 70 | 0 |
| Nels'n's B' | b | 79 | 65 | 0 |
| 1369 Mudg | b | 94 | 45 | 0 |
| Maitland. | b | 104 | 69 | 0 |
| Hill End. | b | — | — | 0 |
| N'wcastle | b | 103 | 67 | 0 |
| Orange .. | b | 7[illegible] | 45 | 0 |
| Bathurst | b | [illegible]1 | 43 | 0 |
| Forbes .. | b | 88 | 54 | 0 |
| M. Vict'ria | b | 82 | [illegible]8 | 0 |
| Carcoar . | b | 82 | 58 | 0 |
| Cond'b'lin | . | — | - | — |
| Marsdens | b | 85 | 67 | 0 |
| Picton .. | b | 89 | 57 | 0 |
| Sydney .. | b | 94 | 65 | 0 |
| Wentw'th | b | 83 | 54 | 0 |
| Young . | b | 90 | 49 | 0 |
| Woll'g'ng | b | 90 | 58 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay .. | b | 86 | 44 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 84 | . | 0 |
| Euston | b | 84 | 44 | 0 |
| G'lburn | b | 89 | 44 | 0 |
| Wagga. | b | 96 | 48 | 0 |
| C Geo'. | b | 75 | 57 | 0 |

| Stations. | WT | M,X | MN | R'fall |
|---|---|---|---|---|
| Queanbe'an | b | 83 | 53 | 0 |
| Deniliquin. | b | 84 | 56 | 0 |
| Moruya .. | b | 74 | 62 | 0 |
| Kiandra.. | b | 81 | 84 | 0 |
| Albury .... | b | 81 | 50 | 0 |
| Bodalla.. | b | — | 54 | 0 |
| Cooma .... | b | 78 | 40 | 0 |
| Eden . .. | b | 85 | 37 | 0 |

Barometers risen about 0·30 on ≥ E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 22 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 22 45·339.
Barometers corrected to 32° Fah. and Mean Sea Level.

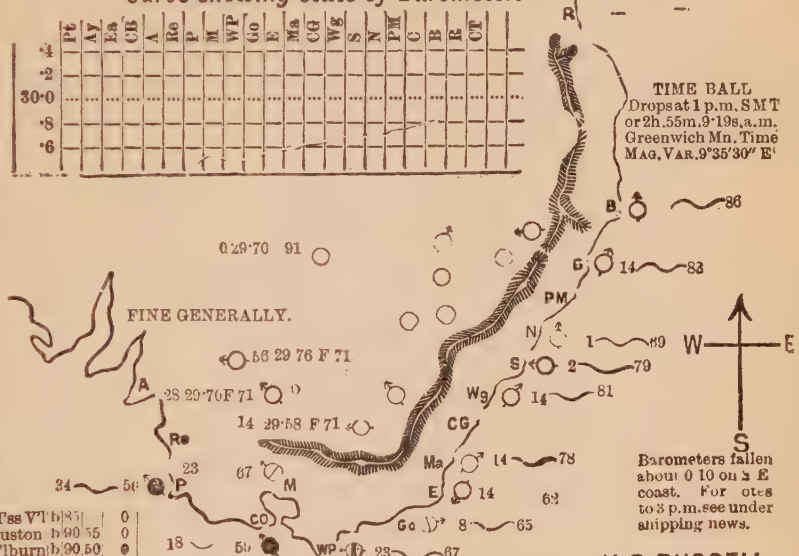
| STATIONS. | | | | |
|---|---|---|---|---|
| Casino .. | b | 97 | 66 | 0 |
| Tent'rfield | b | 100 | 60 | 0 |
| Clarence . | . | 87 | 68 | 0 |
| Moree .. | b | 104 | 72 | 0 |
| Grafton .. | b | 92 | — | 0 |
| Gl'n Inn's | b | 101 | 60 | 0 |
| Inverell.. | b | 95 | 70 | 0 |
| Bourke .. | b | 103 | 73 | 0 |
| Narrabri . | b | 108 | 52 | 0 |
| Armidale. | b | 90 | — | 0 |
| Bendem'r | b | 95 | 55 | 0 |
| Gunned'h | b | 102 | — | 0 |
| C'n'mble | b | 99 | 69 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 92 | 39 | 0 |
| Tamw'rth | b | 102 | — | 0 |
| Coonab'n. | b | 99 | 47 | 0 |
| P. M'cqrie | . | — | — | — |
| W'lcannia | b | — | — | — |
| Murr'ndi . | . | 93 | 64 | 0 |
| Taree.. | b | 87 | 69 | 0 |
| Cassilis | b | 93 | 63 | 0 |
| Muss'br'k | b | 101 | 63 | 0 |
| Dubbo . | c | 93 | 68 | 0 |
| Menindie. | b | 90 | 71 | 0 |
| Singleton | b | 91 | 66 | 0 |
| Nels'n's B' | b | 88 | 61 | 0 |
| Mudg | g | 95 | 51 | 0 |
| Maitland. | b | 91 | 63 | 0 |
| Hill End. | c | — | — | 0 |
| N'wcastle | b | 76 | 64 | 0 |
| Orange .. | c | 82 | 52 | 0 |
| Bathurst | c | 90 | 52 | 0 |
| Forbes .. | c | 95 | 60 | 0 |
| M. Vict'ria | b | 93 | 77 | 0 |
| Carcoar . | b | 80 | 58 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | c | 93 | 69 | 0 |
| Picton .. | c | 84 | 54 | 0 |
| Sydney .. | b | 81 | 65 | 0 |
| Wentw'th | b | 92 | 60 | 0 |
| Young .. | b | 92 | 50 | 0 |
| Woll'g'ng | b | 87 | 56 | 0 |
| Taralga.. | b | 80 | — | 0 |
| Hay .. | b | 91 | 50 | 0 |

| | | | | |
|---|---|---|---|---|
| M'ss V'l | b | 85 | | 0 |
| Euston | b | 90 | 55 | 0 |
| G'lburn | b | 90 | 50 | 0 |
| Wagga. | b | 91 | 56 | 0 |
| C Geo' | b | — | — | — |

| Stations. | WT | M.X | Mn | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 83 | 56 | 0 |
| Deniliquin. | b | 69 | 57 | 0 |
| Moruya .. .. | c | 75 | 57 | 0 |
| Kiandra.. | c | 71 | 40 | 0 |
| Albury ... | c | 86 | 59 | 0 |
| Bodalla.. | b | — | 49 | 0 |
| Cooma .... | c | 83 | 46 | 0 |
| Eden . .. . | b | 97 | 60 | 0 |

## *Curve showing state of Barometer.*




Barometers fallen about 0 10 on S E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 24 1888.

Sydney Observatory.

*Lat. 33° 51′ 41″ S. ; Long 10h. 4m. 50·81s. E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 24 45·340.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | wt | M'x | Mn | R'fn |
|---|---|---|---|---|
| Casino .. | . | — | — | — |
| Tent'rfield | b | 100 | 55 | 0 |
| Clarence .. | . | — | — | — |
| Moree .. | b | 100 | 69 | 0 |
| Grafton .. | b | 104 | 67 | 0·29 |
| Gl n Inn's | b | 97 | 51 | 0 |
| Inverell. | b | 96 | 61 | 0 |
| Bourke | b | 98 | 61 | 0 |
| Narrabri . | b | 112 | 52 | 0 |
| Armidale. | . | — | — | — |
| Bendem'r | b | 91 | 52 | 0 |
| Gunned'h | b | 102 | 69 | 0 |
| C'n'mble | b | 95 | 60 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 84 | 42 | 0 |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 94 | 55 | 0 |
| P. M'cqrie | b | 80 | 67 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 95 | 66 | 0 |
| Taree.. | b | 85 | 57 | 0·05 |
| Cassilis | b | 91 | 62 | 0 |
| Muss'br'k | b | 90 | 64 | 0 |
| Dubbo . | g | 93 | 68 | 0 |
| Menindie. | . | — | — | — |
| Singleton | b | 97 | 69 | 0 |
| Nels'n's P. | b | 80 | 65 | 0 |
| Mudg | b | 92 | 50 | 0 |
| Maitland. | b | 99 | 65 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 77 | 53 | 0 |
| Orange .. | b | 81 | 45 | 0 |
| Bathurst | b | 87 | 47 | 0 |
| Forbes .. | c | 80 | 62 | 0 |
| M. Vict'ria | b | 80 | 66 | 0 |
| Carcoar . | b | 80 | 55 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 94 | 63 | 0 |
| Picton .. | b | 82 | 59 | 0 |
| Sydney . | c | 74 | 53 | 0 |
| Wentw'th | b | 77 | 51 | 0 |
| Young . | b | 84 | 50 | 0 |
| Woll'g'ng | b | 80 | 58 | 0 |
| Taralga.. | b | 85 | — | 0 |
| Hay .... | b | 91 | 37 | 0 |
| M'ss V'l. | — | — | — | — |
| Euston | b | 79 | 51 | 0 |
| G'burn | b | 80 | 44 | 0 |
| Wagga | b | 91 | 49 | 0 |
| C Geo | b | 73 | 55 | 0 |

| Stations. | WT | M.X | Mn | R'fn |
|---|---|---|---|---|
| Queanbe'an | b | 86 | 49 | 0 |
| Deniliquin. | b | 86 | 42 | 0 |
| Moruya .... | . | — | — | — |
| Kiandra... | c | 78 | 28 | 0·07 |
| Albury .... | b | 79 | 44 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma .... | c | 74 | 42 | 0·15 |
| Eden . .. . | b | 67 | 54 | 0·09 |

## *Curve showing state of Barometer.*

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

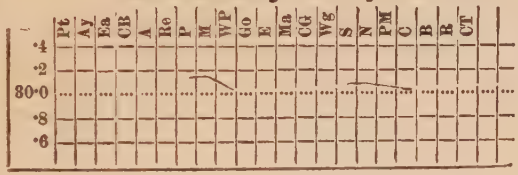
From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 26 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 26 45·510.
Barometers corrected to 32° Fah. and Mean Sea Level.

## *Curve showing state of Barometer.*




| STATIONS. | wt | m'x | m'n | R'in |
|---|---|---|---|---|
| Casino .. | . | — | — | — |
| Tent'rfield | . | — | — | — |
| Clarence . | b | 73 | 59 | 0 |
| Moree .. | b | 86 | 57 | 0·02 |
| Grafton .. | b | 81 | 45 | 0 |
| Gl n Inn's | b | 89 | 53 | 0·46 |
| Inverell. | . | — | — | — |
| Bourke | b | 88 | 63 | 0 |
| Narrabri . | b | 88 | 47 | 0 |
| Armidale. | . | — | — | — |
| Bendem'r | . | — | — | — |
| Gunned'h | . | — | — | — |
| Ch'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | . | — | — | — |
| Tamw'rth | . | — | — | — |
| Coonab'n. | b | 77 | 42 | 0 |
| P. M'cqrie | . | — | — | — |
| W'lcannia | . | — | — | — |
| Murr'ndi. | c | 70 | 44 | 0 |
| Taree.. | . | — | — | — |
| Cassilis | b | 84 | 64 | 0 |
| Muss'br'k | b | 73 | 49 | 0·26 |
| Dubbo . | b | 85 | 60 | 0 |
| Menindie. | b | 73 | 61 | 0 |
| Singleton | c | 76 | 56 | 0 |
| Nels'n's R | b | 75 | 56 | 0·18 |
| Mudg | b | 87 | 45 | 0 |
| Maitland. | c | 99 | 55 | 0·34 |
| Hill End. | . | — | — | 0·08 |
| N'wcastle | c | 71 | 48 | 0 |
| Orange .. | b | 68 | 43 | 0 |
| Bathurst | b | 71 | 43 | 0·86 |
| Forbes .. | b | 74 | 45 | 0 |
| M. Vict'ria | b | 70 | 57 | 0·07 |
| Carcoar . | . | — | — | — |
| Cond'b'lin | . | — | — | — |
| Marsdens | . | .. | .. | .. |
| Picton .. | c | 90 | 54 | 0·07 |
| Sydney . | c | 67 | 57 | 0·17 |
| Wentw'th | b | 80 | 58 | 0 |
| Young . | . | .. | .. | — |
| Woll'g'ng | b | 73 | 53 | 0 |
| Taralga.. | c | 70 | — | 0 |
| Hay .... | b | 31 | 39 | 0 |
| M'ss V'll | b | 73 | — | 0 |
| Euston | b | 75 | 57 | 0 |
| G'lburn | b | 77 | 41 | 0 |
| Wagga. | b | 92 | 47 | 0 |
| C Geo' | . | .. | .. | .. |

| Stations. | WT | M.x | m'n | R'in |
|---|---|---|---|---|
| Queanbe'an | . | .. | .. | .. |
| Deniliquin. | b | 85 | 44 | 0 |
| Moruya .... | . | — | — | — |
| Kiandra... | b | 70 | 29 | 0·03 |
| Albury .... | b | 83 | 49 | 0 |
| Bodalla.. | . | — | — | — |
| Cooma .... | . | .. | .. | .. |
| Eden . .. | . | .. | .. | .. |

TIME BALL Drops at 1 p.m. S M T or 2h. 55m. 9·19s. a.m. Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·25 on E coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 27 1883.

Sydney Observatory.

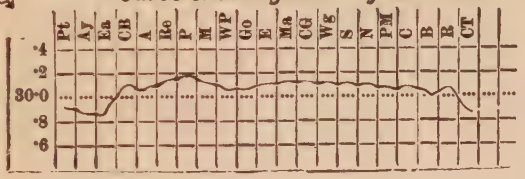
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·31*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 27 46·865.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | | | | |
|---|---|---|---|---|
| Casino .. | c | 83 | 48 | 0 |
| Tent'rfield | b | 80 | 45 | 0 |
| Clarence . | b | 78 | 58 | 0 |
| Moree .. | b | 89 | 62 | 0 |
| Grafton .. | b | 84 | 56 | 0 |
| Gl n Inn's | b | 79 | 48 | 0 |
| Inverell.. | b | 95 | 56 | 0 |
| Bourke .. | b | 98 | 66 | 0 |
| Narrabri . | b | 100 | 69 | 0 |
| Armidale. | b | 80 | — | 0·25 |
| Bendem'r | b | 74 | 47 | 0 |
| Gunned'h | b | 86 | 60 | 0 |
| C'n'mble | o | 86 | 62 | 0 |
| Kempsey | . | — | — | — |
| Walcha.. | b | 73 | 37 | 0 |
| Tamw'rth | b | 80 | — | 0 |
| Coonab'n. | b | 81 | 44 | 0 |
| P. M'eqrie | b | 75 | 57 | 0 |
| W'lcannia | . | — | — | 0 |
| Murr'ndi. | b | 77 | 54 | 0 |
| Taree.. | b | 74 | 5 | 0 |
| Cassilis | b | 84 | 66 | 0 |
| Muss'br'k | g | 83 | 54 | 0 |
| Dubbo . | b | 85 | 60 | 0 |
| Menindie. | b | -- | — | 0 |
| Singleton | o | 78 | 59 | 0 |
| Nels'n's R. | b | 81 | 58 | 0 |
| 8 77 | | | | |
| Mudg | b | 89 | 41 | 0 |
| Maitland. | g | 78 | 58 | 0 |
| Hill End. | . | — | — | 0 |
| N'wcastle | g | 72 | 60 | 0 |
| Orange .. | o | 72 | 43 | 0 |
| Bathurst | b | 79 | 50 | 0 |
| Forbes .. | b | 80 | 50 | 0 |
| M. Vict'ria | g | 84 | 62 | 0 |
| Carcoar . | b | 83 | 56 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 88 | 68 | 0 |
| Picton .. | g | 79 | 58 | 0·04 |
| Sydney .. | g | 72 | 60 | 0·31 |
| Wentw'th | . | .. | .. | — |
| Young . | b | 83 | 53 | 0 |
| Woll'g'ng | r | 78 | 57 | 0·13 |
| Taralga.. | g | 87 | — | 0 |
| Hay .. .. | o | 90 | 45 | 0 |

| Stations. | WT | M.X | MN | R'FL |
|---|---|---|---|---|
| Queanbe'an | . | .. | .. | .. |
| Deniliquin. | . | — | — | — |
| Moruya .. .. | g | 74 | 57 | 0 |
| Kiandra.. | . | — | — | — |
| Albury .. .. | b | 90 | 56 | 0 |
| Bodalla.. | c | 67 | 60 | 0·43 |
| Cooma ..... | . | .. | .. | .. |
| Eden . .. .. | . | — | .. | — |

*Curve showing state of Barometer.*




TIME BALL
Drops at 1 p.m. S M T
or 2h. 55m. 9·19s. a.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

FINE GENERALLY.

Barometers risen about 0·05 on E. coast. For obs. to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 28 1883.

Sydney Observatory.

*Lat.* 33° 51′ 41″ *S.*; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

Average Annual Rainfall for 24 years ..... 50·040.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 28 46·940.
Barometers corrected to 32° Fah and Mean Sea Level.

| STATIONS | | M. | V. | R. |
|---|---|---|---|---|
| Casino .. | . | — | — | — |
| Tent'rfield | b | 81 | 53 | 0 |
| Clarence . | c | 83 | 54 | 0 |
| Moree .. | b | 94 | 68 | 0 |
| Grafton .. | b | 88 | 57 | 0 |
| Gl n Inn's | b | 88 | 53 | 0 |
| Inverell.. | b | 96 | 56 | 0 |
| Bourke .. | b | 104 | 72 | 0 |
| Narrabri . | b | 100 | 40 | 0 |
| Armidale. | b | 75 | — | 0 |
| Bendem'r | b | 81 | 52 | 0 |
| Gunned'h | b | 89 | 63 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 72 | 47 | 0 |
| Tamw'rth | b | 87 | — | 0 |
| Coonab'n. | b | 91 | 53 | 0 |
| P. M'cqrie | b | 79 | 68 | 0·02 |
| W'lcannia | b | — | — | 0 |
| Murr'ndi. | b | 79 | 58 | 0 |
| Taree.. | g | 79 | 8 | 0·14 |
| Cassilis | o | 84 | 73 | 0 |
| Muss'br'k | b | 81 | 55 | 0 |
| Dubbo . | b | 89 | 62 | 0 |
| Menindie. | b | 96 | 69 | 0 |
| Singleton | o | 75 | 59 | 0 |
| Nels'n's B. | b | 76 | 57 | 0·08 |
| Mudg | b | 89 | 62 | 0 |
| Maitland. | b | 77 | 57 | 0 |
| Hill End. | b | — | — | 0 |
| N 'wcastle | b | 72 | 63 | 0·02 |
| Orange .. | o | 79 | 49 | 0 |
| Bathurst | b | 78 | 49 | 0 |
| Forbes .. | b | 89 | 63 | 0 |
| M. Vict'ria | b | 62 | 59 | 0 |
| Carcoar.. | b | 77 | 56 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | o | 90 | 67 | 0 |
| Picton .. | c | 69 | 52 | 0·02 |
| Sydney .. | c | 68 | 59 | 0·06 |
| Wentw'th | b | 93 | 62 | 0 |
| Young . | o | 89 | 55 | 0 |
| Woll'g'ng | c | 70 | 50 | 0 |
| Taralga.. | c | 69 | — | 0 |
| Hay .. .. | b | 85 | 49 | 0 |
| M'ss V'll | . | — | — | — |
| Euston | b | 93 | 43 | 0 |
| G'lburn | b | 68 | 53 | 0 |
| Wagga.. | b | 91 | 54 | 0 |
| C Geo'. | b | 68 | 51 | 0·07 |

| Stations. | | WT | M. | V. | R. |
|---|---|---|---|---|---|
| Queanbe'an | b | 70 | 50 | | |
| Deniliquin. | b | 92 | 57 | | |
| Moruya .. | o | 70 | 59 | | |
| Kiandra... | b | 77 | 39 | | |
| Albury ... | b | 90 | 44 | | |
| Bodalla.. | c | — | 56 | | |
| Cooma ..... | o | 76 | 50 | | |
| Eden . .. . | b | 71 | 55 | | |

## Curve showing state of Barometer.

8 30·00 F 10

TIME BALL
Drops at 1 p.m, S M T
or 2h.55m.9·19s.a.m.
Greenwich Mn. Time
MAG, VAR, 9°35′30″ E

28 29 93 F 87

42 30·04 — 83

28 30·01—79

14 29 72 F 74

FINE GENERALLY.

Barometers fallen about 0·05 on S. coast. For otes to 3 p.m. see under shipping news.

H.C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From Telegrams for 9 A.M. & 3 P.M. DEC. 29 1883.

Sydney Observatory.

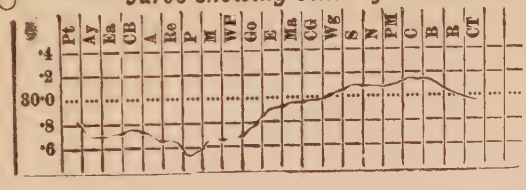
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* *E.*

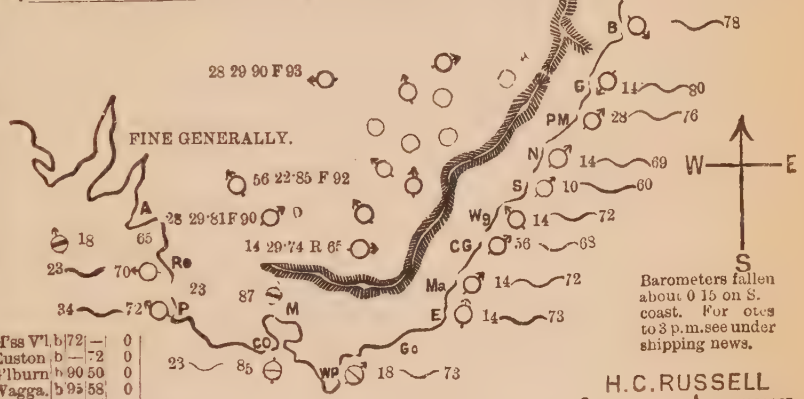
Average Annual Rainfall for 24 years .... .... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 29 46·940.
Barometers corrected to 32° Fah. and Mean Sea Level.

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Casino .. | b | 87 | 59 | 0 |
| Tent'rfield | b | 80 | 52 | 0 |
| Clarence . | b | 82 | 60 | 0 |
| Moree .. | b | 93 | 66 | 0 |
| Grafton .. | b | 89 | 57 | 0 |
| Gl'n Inn's | b | 91 | 54 | 0 |
| Inverell.. | b | 95 | 56 | 0 |
| Bourke . | b | 105 | 79 | 0 |
| Narrabri . | b | 103 | 65 | 0 |
| Armidale. | b | 77 | — | 0 |
| Bendem'r | b | 84 | 60 | 0 |
| Gunned'h | b | 91 | 66 | 0 |
| C'n'mble | . | — | — | — |
| Kempsey | . | — | — | — |
| Walcha.. | b | 79 | 38 | 0 |
| Tamw'rth | b | 89 | — | 0 |
| Coonab'n. | b | 94 | 55 | 0 |
| P. M'cqrie | b | 77 | 54 | 0 |
| W'lcannia | . | — | — | — |
| Murr'ndi . | b | 84 | 57 | 0 |
| Taree.. | b | 75 | 3 | 0 |
| Cassilis | b | 83 | 62 | 0 |
| Muss'br'k | b | 87 | 55 | 0 |
| Dubbo . | b | 90 | 70 | 0 |
| Menindie. | b | 97 | 76 | 0 |
| Singleton | b | 80 | 57 | 0 |
| Nels'n's B' | b | 79 | 55 | 0 |
| 23 75 Mudg | b | 90 | 56 | 0 |
| Maitland. | b | 81 | 57 | 0 |
| Hill End. | . | — | — | — |
| N'wcastle | b | 73 | 62 | 0 |
| Orange .. | b | 81 | 55 | 0 |
| Bathurst | b | 87 | 51 | 0 |
| Forbes .. | b | 96 | 69 | 0 |
| M. Vict'ria | b | 81 | 75 | 0 |
| Carcoar . | b | 80 | 58 | 0 |
| Cond'b'lin | . | — | — | — |
| Marsdens | b | 91 | 71 | 0 |
| Picton .. | b | 79 | 49 | 0 |
| Sydney .. | b | 73 | 59 | 0 |
| Wentw'th | b | 104 | 74 | 0 |
| Young . | b | 90 | 58 | 0 |
| Woll'g'ng | b | 71 | 56 | 0 |
| Taralga.. | b | 84 | — | 0 |
| Hay .. | b | 104 | 55 | 0 |
| M'ss V'l. | b | 72 | — | 0 |
| Euston | b | — | 72 | 0 |
| G'lburn | b | 90 | 50 | 0 |
| Wagga. | b | 95 | 58 | 0 |
| C Geo'. | b | 73 | 57 | 0 |

| Stations. | WT | M.X | MN | R'in |
|---|---|---|---|---|
| Queanbe'an | b | 80 | 58 | 0 |
| Deniliquin. | b | 99 | 62 | 0 |
| Moruya .. | b | 68 | 63 | 0 |
| Kiandra.. | b | 79 | 25 | 0 |
| Albury .. | b | 95 | 59 | 0 |
| Bodalla.. | b | — | 46 | 0 |
| Cooma .... | b | 81 | 49 | 0 |
| Eden .. | b | 73 | 60 | 0 |

0 29·93 S 94 *Curve showing state of Barometer.*




Barometers fallen about 0 15 on S. coast. For otes to 3 p.m. see under shipping news.

H. C. RUSSELL
GOVERNMENT ASTRONOMER

# WEATHER MAP.

From TELEGRAMS for 9 A.M. & 3 P.M. DEC. 31 1883.

Sydney Observatory.

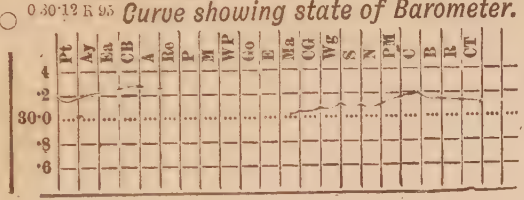
*Lat.* 33° 51′ 41″ *S.* ; *Long* 10*h.* 4*m.* 50·81*s.* E.

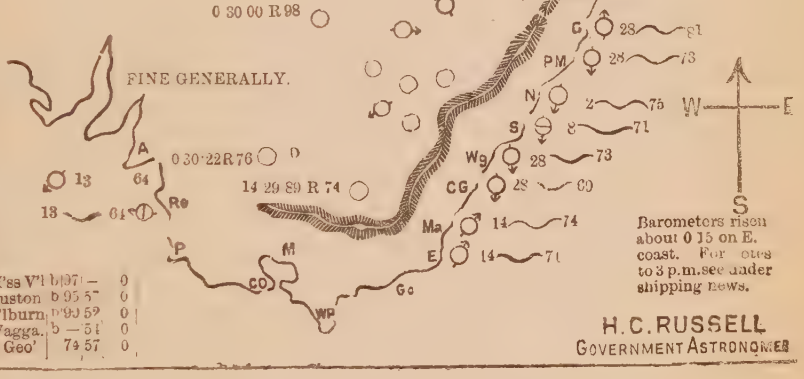
Average Annual Rainfall for 24 years ..... 50·640.
Average for 25 years from Jan. 1st to November 30 51·342.
Total Rainfall from Jan. 1st to December 31 46·940.
Barometers corrected to 32° Fah. and Mean Sea Level.

| STATIONS. | | | | |
|---|---|---|---|---|
| Casino .. | b | 100 | 51 | 0 |
| Tent'rfield . | | — | — | — |
| Clarence . | b | 85 | 34 | 0 |
| Moree .. | b | 97 | 71 | 0 |
| Grafton .. | b | 94 | 64 | 0 |
| Gl n Inn's | b | 98 | 57 | 0 |
| Inverell. . | b | 90 | 64 | 0 |
| Bourke .. | b | 110 | 78 | 0 |
| Narrabri . | b | 103 | 53 | 0 |
| Armidale. . | | — | — | — |
| Bendem'r | b | 91 | 61 | 0 |
| Gunned'h | b | 99 | 72 | 0 |
| C'n'mble | b | 108 | 74 | 0 |
| Kempsey . | | — | — | — |
| Waleha.. . | | — | — | — |
| Tamw'rth | b | 98 | — | 0 |
| Coonab'n. | b | 98 | 64 | 0 |
| P. M'cquie | b | 80 | 67 | 0 |
| W'lcannia . | | — | — | — |
| Murr'ndi. | b | 94 | 59 | 0 |
| Taree.. | b | 91 | 65 | 0 |
| Cassilis | b | 78 | 72 | 0 |
| Muss'br'k | b | 106 | 69 | 0 |
| Dubbo . | b | 99 | 75 | 0 |
| Menindie. . | | — | — | — |
| Singleton | b | 100 | 72 | 0 |
| Nels'n's R | b | 84 | 63 | 0 |
| Mudg | b | 99 | 58 | 0 |
| Maitland. | b | 100 | 63 | 0 |
| Hill End. . | | — | — | — |
| N'wcastle | b | 92 | 65 | 0 |
| Orange .. | b | 91 | 60 | 0 |
| Bathurst . | | — | — | — |
| Forbes .. | b | 106 | 68 | 0 |
| M. Vict'ria . | | — | — | — |
| Carcoar . | | — | — | — |
| Coud'b'lin . | | — | — | — |
| Marsdens | b | 104 | 75 | 0 |
| Picton .. | b | 100 | 58 | 0 |
| Sydney .. | c | 92 | 65 | 0 |
| Wentw'th . | | — | — | — |
| Young . | b | 101 | 59 | 0 |
| Woll'g'ng | b | 84 | 59 | 0 |
| Taralga.. | b | 92 | — | 0 |
| Bay .. .. | b | 106 | 41 | 0 |

| Stations. | | | | |
|---|---|---|---|---|
| Queanbe'an | b | 97 | 61 | 0 |
| Deniliquin. | b | 106 | 60 | 0 |
| Moruya .. .. | b | 103 | 56 | 0 |
| Kiandra.. | b | 97 | 30 | 0 |
| Albury .. .. | b | 102 | 55 | 0 |
| Bodalla.. | b | — | 51 | 0 |
| Cooma .... | c | 94 | 50 | 0 |
| Eden .. .. | b | 97 | 62 | 0 |

## Curve showing state of Barometer.




TIME BALL
Drops at 1 p.m., S.M.T.
or 2h.55m.9·13s. p.m.
Greenwich Mn. Time
MAG. VAR. 9°35′30″ E

Barometers risen about 0·15 on E. coast. For notes to 3 p.m. see under shipping news.

| | | | |
|---|---|---|---|
| M'ss V'l | b | 97 | 0 |
| Euston | b | 95 | 57 | 0 |
| G'lburn | b | 99 | 59 | 0 |
| Wagga.. | b | — | 54 | 0 |
| C Geo' | | 74 | 57 | 0 |

H. C. RUSSELL
GOVERNMENT ASTRONOMER

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3 8398 1009 3952 3